

# An Introductory Guide to Coral Taxonomy



By Gail Riches



Activity: Choose 9 different words from the word box below (*note:* they are all coral *Genus*). Write them in the boxes below. This is your BINGO card. You are now ready to play BINGO!

<i>J</i> 014
Stylophora
Lobophyllia
Turbinaria
pora
Merulina
ria Hellofungia

Instructions: When you hear the teacher call out one of the words on your BINGO card, mark it with a cross. When all 9 boxes are crossed, shout 'BINGO!'. First person to shout BINGO wins.

Marine Education

### Hard Coral SHAPES

Scleractinian Growth Forms

Name:

Date:



Marine Education

# Name Game

Name:

Common Hard Corals

Phylum: Cnidaria Class: Anthozoa Order: Scleractinia

Date:

### Challenge! Try to match the Common Name to the Number on the picture<sup>[1]</sup>

When you think you have finished, check your answers using www.coralsoftheworld.org/ (search the Genus on 'Species Factsheets')

Common Name	Genus species	Growth Form	Number
Branching coral	Acropora parahemprichii	Branching	1
Plate coral	Montipora foliosa	Laminar	
Cauliflower Coral	Pocillopora meandrina	Branching	
Helmet coral	Porites lutea	Massive	
Larger star coral	Favites abdita	Massive	
Lesser valley coral	Platygyra acuta	Massive	
Pineapple coral	Favia leptophylla	Massive	
Lobed brain coral	Lobophyllia hemprichii	Massive	
Galaxy coral	Galaxea astreata	Massive	
Anchor coral	Euphyllia ancora	Massive	
Mushroom coral	Fungia corona	Solitary	
Cactus coral	Pavona cactus	Foliaceous	



**Note:** There are now several classifications for Scleractinian corals. Frequently cited, and used in this guide, is Veron *et al.* (2016)<sup>[1]</sup>. However, keep in mind that Wikapedia and the World Register of Marine Species (WORMS) may cite the names of scleractinian corals a little differently to Veron *et al.* (2016). For example, in Wikapedia, many Indo-Pacific corals in families Pectiniidae, Faviidae and Mussidae have been moved to families Merilinidae and Lobophyllidae. As a result, Pectiniidae was deleted, Mussidae now only has Atlantic species, Lobophyllidae is new (2009), and Merulinidae just got bigger. Thus, well-known species (such as *Goniastrea apsera*) might have a different name<sup>[2[3]</sup>.

<sup>[1]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 02 May 2019. http://www.coralsoftheworld.org/species\_factsheets/
 <sup>[2]</sup> Huang D., Arrigoni, R., Benzoni, F., Fukami, H., Knowlton, N., Smith, N.D., Stolarski, J., Chou, L.M. and Budd, A.F. (2016). Taxanomic classification of the reef coral family Lobophylliidae (Cnidaria: Anthozoa: Scleractinia). Zoological Journal of the Linnean Society. Vol. 178 (3). p.436-481. DOI: 10.1111/zoj.12391
 <sup>[3]</sup> Pichon, M. (2014). Recent changes in Scleractinian coral nomenclature and classification: a practical guide for coral and reef ecologists. James Cook University. Accessed 10 November 2018. http://www.mideastcrs.org/mcrs/sites/mcrs/files/documents/Scleractinian%20nomenclature%20update%20%28Michel%20Pichon%202014%29.pdf

# 

If you are looking at a *lot* of branching coral, there is a pretty good chance it comes from the Genus **Acropora**. But, if you want to be sure, simply look at the very tip of a branch. If there is a single corallite (the 'cup' that holds the polyp) at the very tip of the branch, then it is *Acropora*!!! This corallite is called the **axial corallite**. It is the starting point of every branch. As it grows, its corallite 'cup' grows into a 'tube' and forms the central *axis* of the branch. All the other *Acropora* corallites are called **radial corallites**. Radial corallites come in a range of shapes that are used to help identify each species (Figure 2).

Q. What are the two types of corallites unique to *Acropora*? Ans.

Q. What shape category is the radial corallite in Figure 2? Ans.



Figure 3: Acropora radial corallite shape categories. Adapted from Wallace (1999) with permission from CSIRO Publishing<sup>[2]</sup>

<sup>&</sup>lt;sup>[1]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 05 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/acropora-muricata/ <sup>[2]</sup> Wallace, Carden C & CSIRO (1999). Staghorn corals of the world : a revision of the coral genus Acropora (Scleractinia; Astrocoeniina; Acroporidae) worldwide, with emphasis on morphology, phylogeny and biogeography. CSIRO Publishing, Clayton, Vic



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Figure 1: Montipora foliosa Broken coenosteum ridges. GREAT BARRIER REEF, AUSTRALIA. Photograph: Charlie Veron. Reprinted with permission<sup>[1]</sup>.

*Montipora* are perhaps best known as some form of *bumpy* plate coral or *bumpy* encrusting coral (sometimes with random branches jutting upwards). The bumpy appearance is due to the bumps or ridges that grow on its skeleton, *between* the tiny corallites on the **coenosteum** (Figure 2).

- Sometimes the bumps are small (papillae).
- Sometimes the bumps are big (tuberculae).
- Sometimes the bumps are very big and dome-like (verrucae).
- Sometimes the bumps fuse to make ridges (Figure 1).
- Sometimes there are no bumps.



Figure 2: The coenosteum is located between the corallites<sup>[2]</sup>.

Activity: Complete the table below using the Species Factsheets on www.coralsoftheworld.org				
Genus species	Coenosteum Description			
Montipora informis				
Montipora danae				
Montipora digitata				

<sup>11</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 05 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/montipora-foliosa/ [2] Adapted with permission from: Veron, J.E.N. and Stafford-Smith M.G. (2000). Corals of the World: Volume 1. Australian Institute of Marine Science and CRR Qld Pty Ltd. Townsville, Australia. Page 49.



# Genus: Pocillopora

Name:

Date:



**Pocillipora** are tough, weed-like branching corals (although still very colourful) occurring in habitats ranging from exposed reef-fronts and wave-washed reef flats to protected lagoons and lower reef slopes. They do *not* have the axial and radial corallites like *Acropora*.

Instead, they have verrucae (dome-like bumps).

Can you see tiny holes on the verrucae? These tiny holes are corallites!

Activity: Complete the table below using the Species Factsheets on www.coralsoftheworld.org			
Genus species	Verrucae Description		
Pocillopora eydouxi			
Pocillopora meandrina			
Pocillopora ankeli			

<sup>III</sup> Veron J. E. N., Stafford-Smith M. G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheet/species\_factsheet\_summary/pocilippora-meandina/ <sup>III</sup> Veron J. E. N., Stafford-Smith M. G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheet/species\_factsheet\_summary/pocilippora-tungiformis/ <sup>III</sup> Veron J. E. N., Stafford-Smith M. G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheet/species\_factsheet\_summary/pocilippora-tungiformis/ <sup>III</sup> Veron J. E. N., Stafford-Smith M. G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheet/species\_factsheet\_summary/pocilippora-capital/





ngure 1. Pontes lutea A large heimet-shaped colony. GREAT BARRIER REEF, AUSTRALIA. Photograph. Chame veron. Reprinted with permission 9.

Porites have very small corallites (<2mm) thus the colony often has a smooth appearance



Colonies come in a great variety of shapes - from flat (laminar or encrusting) to massive (Figures 1 & 2) or branching (Figure 3). However, they are perhaps best known as the helmet-shaped colonies in deeper water (Figure 1) or the circular, flat-top structures on reef flats called 'micro-atolls' (Figure 2).

Q. What two shapes are recognisably *Porites* coral? Ans.

<sup>[1]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/porites-lutea/ <sup>[2]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/porites-lutea/



Activity: Identify the coral samples below<sup>[1]</sup>. Choose from one of the four Genus pictured above<sup>[1]</sup>.



Genus:

Genus:



Photograph: Emre Turak and Charlie Veron





Photograph: Charlie Veron

Genus:

Genus:

Genus:

<sup>[1]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheets/

When ic	dentifying	species, th	e terminology	used to	describe	the shape	of the	corallite	skeleton	include:
	, ,									

Shape of corallites	Diagram <sup>[1]</sup>	Description
CERIOID		The corallites share a common wall. No valleys.
MEANDROID		The corallites create valleys that share a common <b>wall.</b>
PLOCOID		The corallites have their own separate walls – not shared.
PHACELOID		The corallites have their own separate walls – not shared. But, unlike Placoid corallites, the walls are long and tubular (stalk-like).
FLABELLO- MEANDROID		The corallites have formed valleys. But, unlike meandroid corallites, the valleys do NOT share walls.

<sup>[1]</sup>Adapted with permission from: Veron, J.E.N. and Stafford-Smith M.G. (2000). Corals of the World: Volume 1. Australian Institute of Marine Science and CRR Qld Pty Ltd. Townsville, Australia. Page 55.



Most Favites have **Cerioid** corallites, meaning, the corallites share a common wall<sup>[1]</sup>



Figure 1: Favites abdita Showing corallites. GREAT BARRIER REEF, AUSTRALIA. Photograph: Veron archives. Reprinted with permission<sup>[1]</sup>.



Figure 2: *Favites chinensis* Showing corallites. GREAT BARRIER REEF, AUSTRALIA. Photograph: Veron archives. Reprinted with permission<sup>[2]</sup>



Figure 3: *Favites paraflexuosa* Corallite detail (alive). PHILLIPINES. Photograph: Veron archives. Reprinted with permission<sup>[3]</sup>.

### Activity: Complete the table below using the Species Factsheets on www.coralsoftheworld.org

Genus species	Wall Description
Favites acuticollis	
Favites vasta	

<sup>(11</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheet/species\_factsheet\_summary/favites-abdita/ <sup>(21</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheet/species\_factsheet\_summary/favites-abdita/ <sup>(31</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheet/species\_factsheet\_summary/favites-abdita/ <sup>(31</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheet/species\_factsheet\_summary/favites-paraflexuosa/



Platygyra have **meandroid** corallites, meaning, they create valleys that share a common wall



Figure 1: Platygyra acuta. SEYCHELLE ISLANDS. Photograph: Charlie Veron. Reprinted with permission<sup>[1]</sup>.

### **BRAIN** corals

Platygrya (and Leptoria) are often called brain coral.

- The technical term used to describe their brain-like appearance is *meandroid*
- Dividing polyps form walls along their sides (forming the ridges) but not between their mouths (forming the valleys).

For example, look at the ridges (high walls) and valleys (deep channels) in Figure 2. If this were alive, it would be covered in a thin layer of soft tissue, and the polyp mouths would be sitting side by side in the valleys.

The average length and width of the valley is a common measurement tool used to ID different species.



Figure 2: *Platygyra daedalea* Showing valleys. GREAT BARRIER REEF, AUSTRALIA. Photograph: Veron archives. Reprinted with permission<sup>[1]</sup>.

Q. How wide (in mm) is a valley of *Platygyra daedalea* in Figure 2? Ans.

### Q. Are the valleys on *Platygrya daedalea* 'long' or 'short'? Ans.

<sup>[1]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/platygyra-acuta/
<sup>[2]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 27 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/platygyra-acuta/



# Genus: Favia (Dipsastraea)

Note: Favia corals in the Indo-Pacific may instead have the Genus name Dipsastraea<sup>[2]</sup>

Name:

Date:

*Favia* have **plocoid** corallites, meaning, they have their own separate walls – not shared



Figure 1: *Favia lizardensis* The characteristic shape and common colour of corallites SEYCHELLES ISLANDS. Photograph: Charlie Veron. Reprinted with permission<sup>[1]</sup>.

In *Favia* corals, the colour <u>inside</u> a corallite wall is usually very different to the colour <u>outside</u> a corallite wall. Note: different <u>colonies</u> (same species) can also be different colours

Activity: Complete the table below using the Species Factsheets on www.coralsoftheworld.org				
Genus species	Colour inside corallite wall	Colour outside corallite wall		
Favia speciosa				
Favia speciosa (different colony)				
Favia pallida				
Favia pallida (different colony)				

<sup>[11]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.oralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/favia-lizardensis/ <sup>[21]</sup> Pichon, M. (2014). *Recent changes in Sciencetinian coral nomenclature and classification: a practical guide for coral and neel ecologists. James Cook University. Accessed 10 November 2018.* http://www.mideastcs.org/mcr/sites/arcs/fise/documents/Sciencetinan/20nomenclature%20update%2029.28Michef%20Pichor%202014/%29.pdf



# Genus: Caulastrea

Note: also spelt Caulastraea

Name:

Date:

Caulastrea have phaceloid corallites, meaning, they are long and tubular with separated walls



Figure 1: Caulastrea furcata Showing corallites. GREAT BARRIER REEF, AUSTRALIA Photograph: Veron archives. Reprinted with permission<sup>[1]</sup>.

Q. How are plocoid and placeloid corallites the same? Ans.

Q. How are plocoid and placeloid corallites different? Ans.

11 Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/caulastrea-furcata



# Lobophyllia have phaceloid to flabello-meandroid corallites.

Flabello-meandroid means the corallites have formed valleys. But the valleys do NOT share walls.



Figure 1: Lobophyllia hemprichii Corallite detail. VIETNAM. Photograph: Charlie Veron. Reprinted with permission<sup>[1]</sup>.

Q. What is flabello-meandroid? Ans.

19 Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/lobophyllia-hemprichii/



# **KNOWLEDGE REVIEW 2**

Name:

Date:



Activity: Complete the table below (choose from one of the five Genus pictured above<sup>[1]</sup>)

Shape	Diagram <sup>[2]</sup>	Description	Genus
CERIOID		The corallites share a common wall. No valleys.	
MEANDROID	N.	The corallites create valleys that share a common <b>wall.</b>	
PLOCOID		The corallites have their own separate walls – not shared.	
PHACELOID		The corallites have their own separate walls – not shared. But, unlike Placoid corallites, the walls are long and tubular.	
FLABELLO- MEANDROID		The corallites have formed valleys. But, unlike meandroid corallites, the valleys do NOT share walls.	

<sup>(1)</sup>Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/ <sup>[2]</sup>Adapted with permission from: Veron, J.E.N. and Stafford-Smith M.G. (2000). Corals of the World: Volume 1. Australian Institute of Marine Science and CRR Qld Pty Ltd. Townsville, Australia. Page 55.



### Genus: Galaxea



Figure 1: Galaxea astreata showing corallites. GREAT BARRIER REEF, AUSTRLAIA. Photograph: Veron archives. Reprinted with permission<sup>[1]</sup>.



Figure 2: *Galaxea fascicularis* showing corallites. GREAT BARRIER REEF, AUSTRALIA. Photograph: Veron archives. Reprinted with permission<sup>[2]</sup>.



Figure 3: *Galaxea astreata* Corals growing in conditions of low light are usually flat plates with widely spaced corallites. PHILIPPINES. Photograph: Charlie Veron. Reprinted with permission<sup>[1]</sup>.



Figure 4: *Galaxea acrhelia* showing corallites. GREAT BARRIER REEF, AUSTRALIA. Photograph: Veron archives. Reprinted with permission<sup>[3]</sup>.

### Galaxea have exsert septa

Septa that extend above the top of the corallite wall are referred to as exsert septa.

Note: the term 'exsert' can also be used to describe corallites that clearly project above surrounding structures (e.g. exsert corallites).

### Q. What are EXSERT septa? Ans.

Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheets/species\_factsheet\_summary/galaxea-astreata/
 Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheets/species\_factsheet\_summary/galaxea-factscicularis/
 Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheets/species\_factsheet\_summary/galaxea-factscicularis/
 Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/galaxea-acrhetia/





Figure 1: *Euphyllia ancora* variation in tentacle shape and colour. This variation is common throughout the geographical range. PHILIPPINES. Photograph: Charlie Veron. Reprinted with permission<sup>[1]</sup>.

### Phaceloid (trumpet-like) corallites

- Grape coral (*E. cristata*)
- Torch coral (E. glabrescens)
- Branching anchor coral (*E. paraancora*)
- Branching frogspawn coral (E. paradivisa)
- Bubble coral (E. baliensis)

### Flabello-meandroid corallites

- Brain anchor coral (E. ancora)
- Frogspawn coral (E. divisa)

### Phaceloid to Flabello-meandroid

• Thick branched frogspawn coral (*E. yaeyamaenesis*)



Figure 2: *Euphyllia cristata* Solitary polyp with tentacles fully extended. The tall primary septa radiating like spokes of a wheel. PAPUA NEW GUINEA. Photograph: Neville Coleman. Reprinted with permission<sup>[2]</sup>.

**Q.** What large, fleshy structures are extended night *and day* making this Genus easy to ID? Ans. *Hint*: the shape of this structure is often the inspiration for their common name!!

19 Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/euphylia-ancora/ 29 Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/euphylia-cristata/



Figure 1: *Fungia danai* Showing upper surface. GREAT BARRIER REEF, AUSTRALIA. Photograph: Veron archives. Reprinted with permission<sup>[1]</sup>.

*Fungia* form domes or discs and detach from the reef when they grow larger. So, they are free to move about!



Q. How many polyps are pictured left? Ans.

Q. What is the slit across the middle? Ans.

Q. What are the teeth-like projections? Ans.

Figure 2: *Fungia paumotensis* showing upper surface. GREAT BARRIER REEF, AUSTRALIA. Photograph: Veron archives. Reprinted with permission<sup>[2]</sup>.

<sup>[1]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheets/species\_factsheet\_summary/fungia-danai/ <sup>[2]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/fungia-paumotensis/



Figure 1: *Pavona cactus* Showing frond surface. COCOS KEELING ISLANDS, INDIAN OCEAN. Photograph: Emre Turak and Charlie Veron. Reprinted with permission<sup>[1]</sup>.



Figure 2: *Pavona clavus* A large dome-shaped colony composed of compact columns. TANZANIA. Photograph: Charlie Veron. Reprinted with permission<sup>[2]</sup>.



Figure 3: *Pavona cactus* Showing whole colony. GREAT BARRIER REEF, AUSTRALIA. Photograph: Charlie Veron. Reprinted with permission<sup>[2]</sup>.

### **Pavona** have corallites with **poorly defined walls**. Corallites are interconnected by **exsert septo-costae**.



Figure 4: Location of septo-costae<sup>[3]</sup>

Q. What do septo-costae connect? Ans.

<sup>[1]</sup>Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/pavona-cactus/ <sup>[2]</sup>Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/pavona-cactus/ <sup>[2]</sup>Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/species\_factsheet\_summary/pavona-clavus/ <sup>[2]</sup>Adapted from: Riddle, D. (2007). Feature Article: Stony Coral Identification Primer for Aquarists, Part One. Advanced Aquarist from: www.advancedaquarist.com/



### **KNOWLEDGE REVIEW 3**



Activity: Complete the table below (choose from one of the five Genus pictured above labelled A-D<sup>[1]</sup>)

Genus	Description	A - D
Galaxea	Exsert SEPTA	
Pavona	Poorly defined walls. Exsert SEPTO-COSTAE.	
Fungia	Solitary and Free-living	
Euphillia	Large, fleshy tentacles (or vesicles) extended night AND DAY	

<sup>&</sup>lt;sup>[1]</sup> Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). Corals of the World. Accessed 28 May 2019. http://www.coralsoftheworld.org/species\_factsheets/