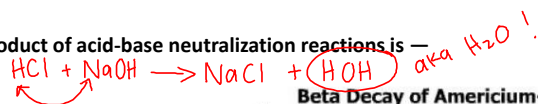


1. Using only one trial to collect data in an experiment —

- A makes it easier to determine the a valid conclusion
- B reduces the percent error in the results
- C** causes the conclusion to be less reliable
- D requires data with more significant figures

2. A common product of acid-base neutralization reactions is —

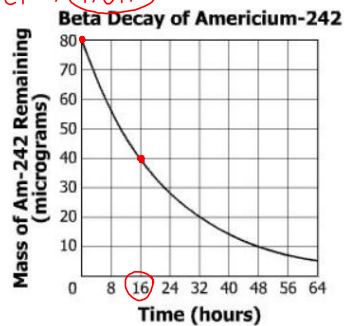
- A hydrogen
- B water**
- C carbon dioxide
- D oxygen



3. What is the half-life of Americium-242?

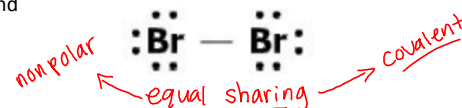
- A 11 hours
- B 16 hours**
- C 32 hours
- D 64 hours

Takes 16 hrs to
Decay from 80 g
to 40 g (one half)



4. Two electrons are shared equally in bromine (Br_2). What type of bond is represented between the bromine atoms in this Lewis structure?

- A** Nonpolar covalent bond
- B Polar covalent bond
- C Metallic bond
- D Ionic bond



5. In the Haber process, nitrogen (N_2) and hydrogen (H_2) are directly combined to form ammonia (NH_3). Which illustration contains the stoichiometric = mole ratio "coefficients" quantities of the reactants for this reaction?

