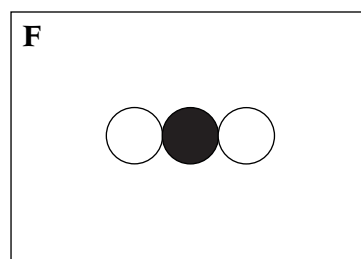
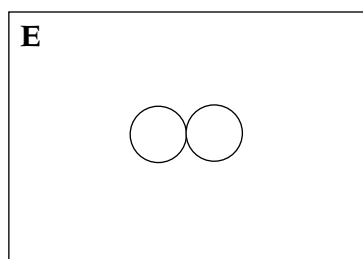
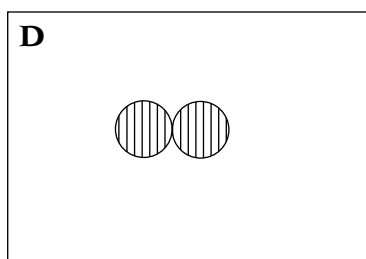
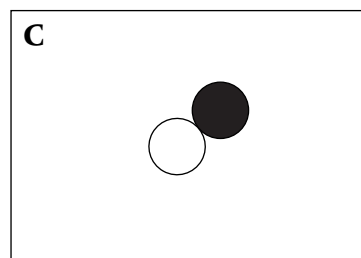
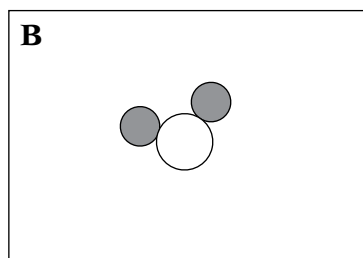
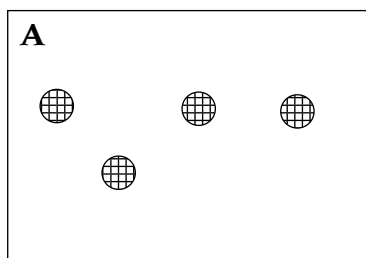


Elements and compounds 3

Name _____ Class _____

? 1 Look at the diagrams below.



- a** Which boxes show particle diagrams of elements? _____
- b** Which boxes show particle diagrams of compounds? _____
- c** Helium does not react with anything at all. Atoms of helium do not join up with any other atoms. Which diagram best represents helium? _____
- d** Oxygen gas is in the form of particles which have the formula O_2 . Which two diagrams show this arrangement? _____
- e** Carbon dioxide has the formula CO_2 . Which diagram could represent carbon dioxide? _____
- f** Hydrogen atoms are smaller than any others. Which diagram could represent water? Explain your answer. _____
- _____
- g** Which of the following could be the name of the substance in box C? _____
- i** nitrogen **ii** hydrogen chloride **iii** carbon monoxide
- iv** krypton **v** sulphur dioxide
- Explain your reasoning. _____
- _____