

25 Brass is an alloy of copper.

Which statement about brass or copper is correct?

- A** Brass does **not** conduct electricity because it is a compound.
- B** Copper conducts electricity because its atoms are free to move.
- C** Brass is harder than copper because its layers of atoms **cannot** easily slide over each other.
- D** Copper is stronger than brass because it is a pure metal.

26 Brass is a mixture of copper and zinc.

Which statement describes and explains the relative strength of brass compared to copper?

- A** Brass is stronger than copper because the layers of atoms in brass **cannot** easily slide over each other.
- B** Brass is stronger than copper because the intermolecular forces are greater in brass than in copper.
- C** Brass is weaker than copper because the layers of atoms slide more easily over each other in brass than in copper.
- D** Brass is weaker than copper because the intermolecular forces are weaker in brass than in copper.

28 Which statement about alloys is correct?

- A** Alloys are harder than pure metals because they contain strong intermolecular forces.
- B** Brass is an alloy containing mainly copper and tin.
- C** The different-sized atoms in an alloy mean that the layers **cannot** easily slide over each other.
- D** There are no alloys containing carbon because carbon is a non-metal.