

Name:

Class:

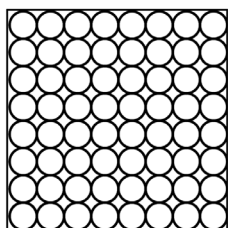
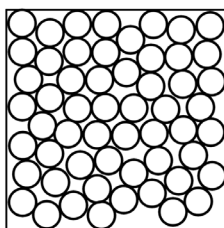
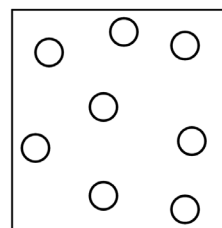


The word equation for a reaction is:

State the meaning of the $\rightleftharpoons$ symbol.**Reversible reaction**Calculate the relative formula mass of butene, C₄H₈.

$$4(12) + 8 = 56$$

Under each box write the state of matter that is shown.

**Solid****Liquid****Gas**

Diamond has a giant covalent structure.

State **one** property of diamond that is the result of its giant covalent structure.**Any one of the following:**

- **High melting point.**
- **High boiling point.**

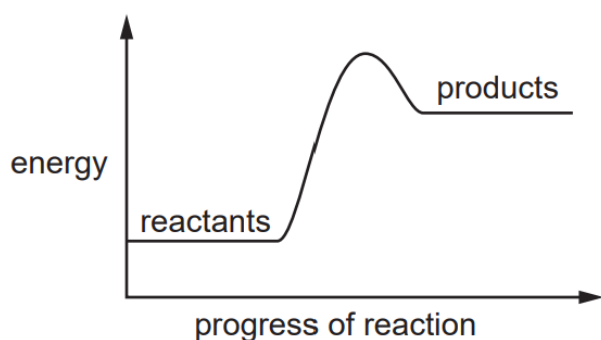
Give the names of the **elements** combined in barium sulfate.**Barium, sulfur and oxygen.**Name the salt Pb(NO₃)₂.**Lead nitrate**

Ammonia reacts with nitric acid to form ammonium nitrate.

Complete the word equation for this reaction.

In what **two** states do ionic compounds conduct electricity?**Molten and aqueous****Both must be stated correctly.**Describe a test to distinguish between Cu²⁺ and Fe²⁺ ions.**Test:** add some sodium hydroxide solution.**Result:** Cu²⁺ will give a blue precipitate.Fe²⁺ will give a green precipitate.

A reaction pathway diagram is shown.



Which statement about this reaction is correct?

B is the only correct answer.