



Name _____ Class _____ Date _____

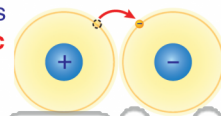
1 What is the chemical formula for **silicon dioxide**?

- A $2SiO$
- B Si_2O
- C SiO
- D SiO_2

| | |
|----------------------------|-------------------------|
| 14 Si Silicon | 8 O Oxygen |
|----------------------------|-------------------------|

2 Which two elements would form an **ionic bond**?

- A carbon and hydrogen
- B oxygen and silicon
- C cesium and iodine
- D potassium and calcium



3 This diagram illustrates a **cloud** of **electrons** around the **nucleus**. This represents _____ model of the atom.

4 Which of the following statements is **true** of **metallic bonding**?

- A The metal elements have four or more



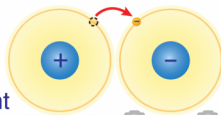
PREVIEW

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7

- A NO_2^-
- B Na_2SO_4
- C NH_4^+
- D CrO_4^{2-}

- A ionic
- B polar covalent
- C nonpolar covalent
- D metallic



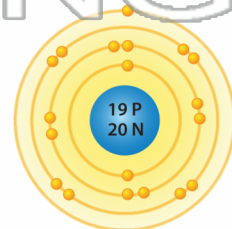
9 Which compound will **share electrons equally**?

- A BeO
- B H_2
- C CH_4
- D HCl

| | | |
|---------------------------|-----------------------------|-------------------------|
| 1 H Hydrogen | 4 Be Beryllium | 6 C Carbon |
| 8 O Oxygen | 17 Cl Chlorine | |

10 Label the parts of the atom.

- A nucleus
- B lowest energy level
- C highest energy level
- D valence electron





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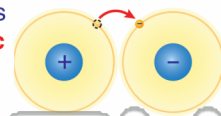
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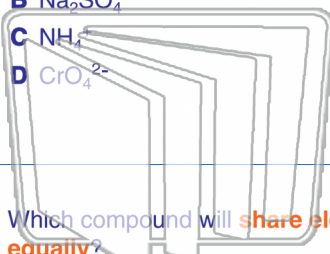
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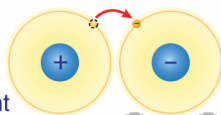
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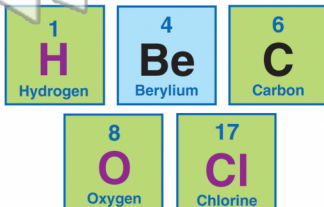


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