

AP Chemistry Daily Videos

3.2 Properties of Solids

Daily Video #1

1. Describe the structure and properties of the different types of solids.
 - a. Ionic Solids
 - b. Molecular Solids
 - c. Covalent Network Solids
 - d. Metallic Solids

Daily Video #2

1. Pause the video at 2:35 and attempt the problem, then evaluate how you did and identify any errors.

Check your understanding

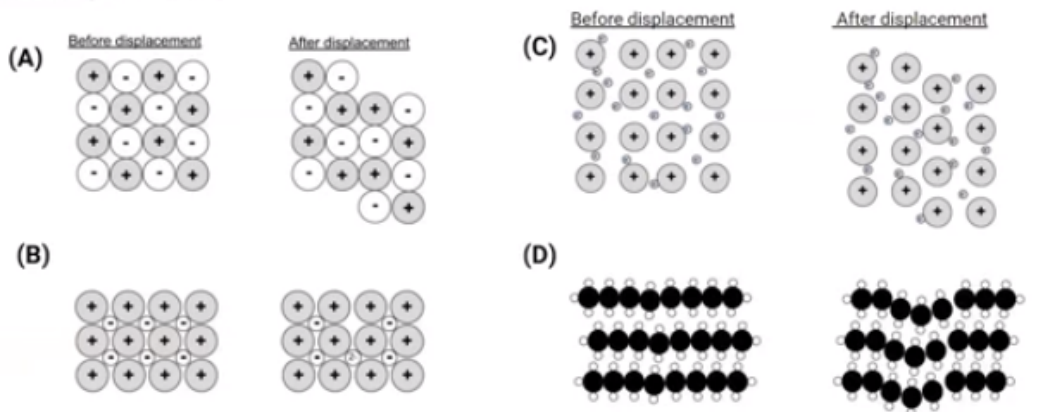
Which of the following could be the identity of a white crystalline solid that exhibits the following properties

- It melts at 360 °C
- It does not conduct electricity as a solid
- It conducts electricity in an aqueous solution

- A) $C_{12}H_{22}O_{11}$ (s)
- B) KOH (s)
- C) SiC (s)
- D) Ag (s)

2. Pause the video at 3:45 and attempt the problem, then evaluate how you did and identify any errors.

Which of the following diagrams best illustrates how a metallic solid is malleable after a displacement



3. Pause the video at 4:58 and attempt the problem, then evaluate how you did and identify any errors.

A student finds a bottle of magnesium chloride, MgCl_2 and hypothesizes that the solid is a good conductor of electricity because it contains magnesium which is a metal, and all metals are good conductors. Do you agree or disagree with the student? Justify your claim.