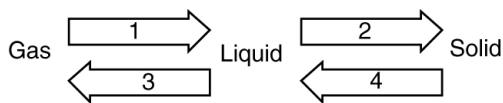


What Are Solids, Liquids, and Gases?

1 At what temperatures is water a gas?

- (A) below 0 °C
- (B) above 100 °C
- (C) between 0 °C and 100 °C
- (D) between 0 °C and 120 °C

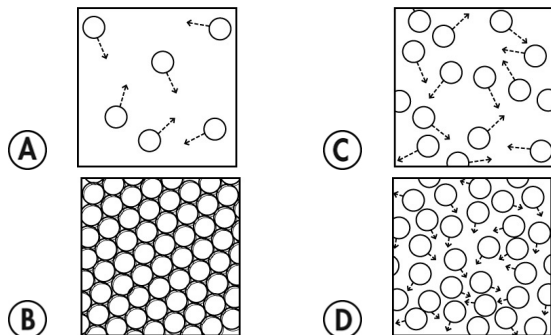
2 Study the following diagram.



What word belongs on arrow 2?

- (F) condensation (H) freezing
- (G) evaporation (I) melting

3 Jakob studied drawings of the particles in the same substance. The drawings show the substance in different states and temperatures. Which shows the substance at the **highest** temperature?



4 The table shows the melting points and boiling points for different substances.

Melting Point and Boiling Point for Common Substances		
Substance	Melting point (°C)	Boiling point (°C)
aluminum	660	2519
chlorine	-101	-34
copper	1085	2927
gold	1065	2856
mercury	-39	357
oxygen	-218	-182
silver	961	2162
tungsten	3422	5555

Suppose these substances were placed in a freezer set to -50 °C. Which substance would become a liquid?

- (F) chlorine
- (G) mercury
- (H) oxygen
- (I) tungsten

5 Matter may be a gas, solid, or liquid. It can change from one state to another. Which change **most often** causes matter to change state?

- (A) change in mass
- (B) change in color
- (C) change in volume
- (D) change in temperature