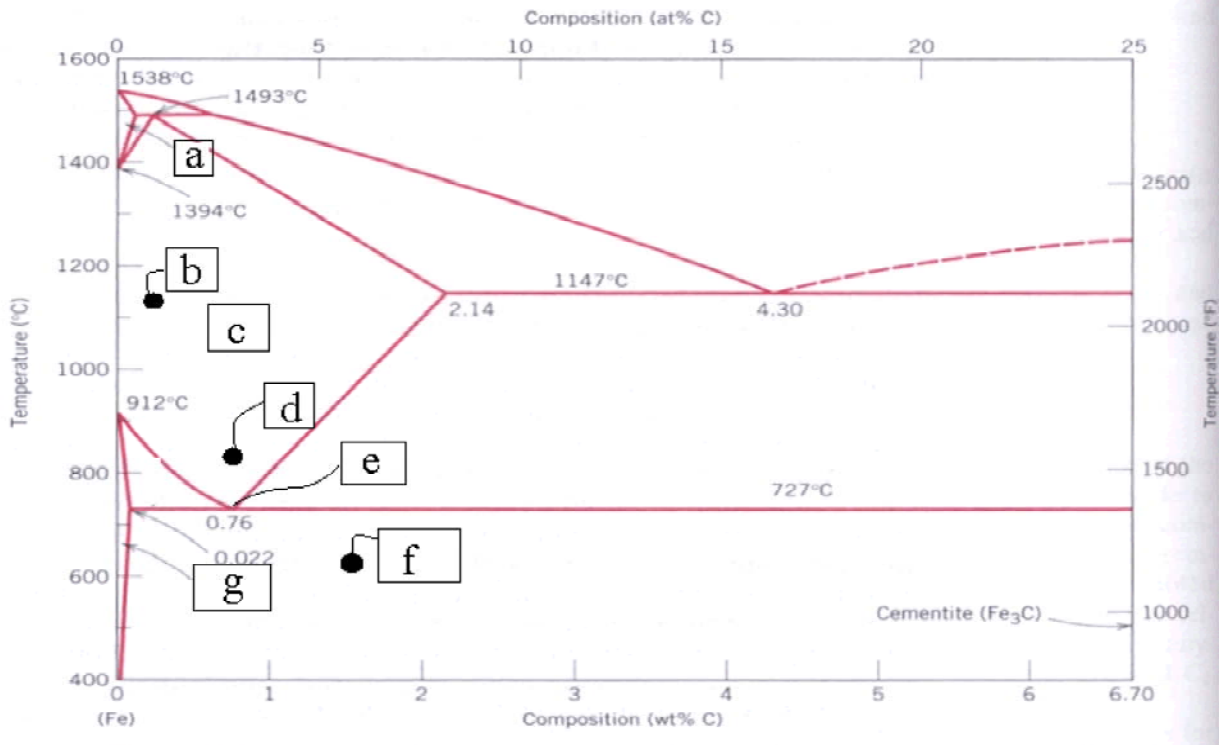


Unit Quiz - The Iron-Carbon System

Multiple Choice

Identify the choice that best completes the statement or answers the question.

Use the diagram to answer the following questions



- ___ 1. According to the diagram, point “b” is which of the following?

a. Iron Carbide	c. A hypereutectoid steel
b. Alpha Iron	d. A hypoeutectoid steel

- ___ 2. According to the diagram, region “g” is which of the following? Note: Region “g” is the triangular area on the far left of the diagram indicated by the arrow.

a. Alpha iron	c. BCC
b. Ferrite	d. All of the above

- ___ 3. According to the diagram, region “c” (the diamond-shaped area) is which of the following?

a. Austenite	c. Pearlite
b. BCC	d. All of the above

- ___ 4. According to the diagram, point “d” is which of the following?

a. Hotter than 800° C	c. BCC
b. A hypereutectoid alloy	d. All of the above

Name: _____

ID: A

- _____ 5. According to the diagram, point “f” is which of the following?
- a. A hypereutectoid steel with cementite between the grain boundaries.
 - b. Hotter than 600 Degrees C
 - c. Steel
 - d. All of the above
- _____ 6. According to the diagram, what is the carbon content of a eutectoid steel?
- a. 727° C
 - b. 0.76% C
 - c. 76% C
 - d. 2.14% C