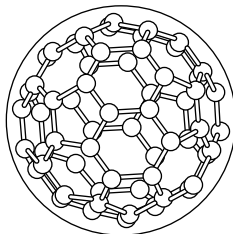
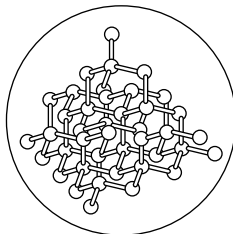


Carbon Chemistry ▪ 8.1 Review and Reinforce**Properties of Carbon****Understanding Main Ideas**

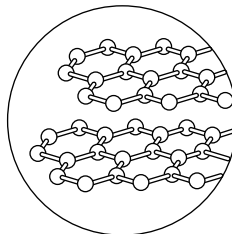
For items 1–4 below, correctly label each structure as one of the forms of elemental carbon.



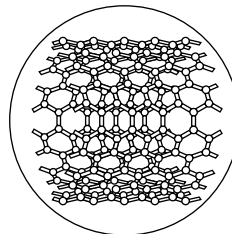
1. _____



2. _____



3. _____



4. _____

Fill in the blank with the word or words that best completes each sentence.

5. Each carbon atom has _____ valence electrons for forming bonds.
6. Carbon atoms can bond with other _____ and with atoms of other elements in many different ways.

Building Vocabulary

Answer the following questions in the spaces provided.

7. Which form of carbon in the figure above is the hardest?

8. Which form of carbon in the figure above feels slippery?

9. Which form of carbon in the figure above may possibly be used to carry other substances inside the molecule?

10. Which form of carbon in the figure above is also good a conductor of electricity and heat?
