

Name _____

Instructions: Read each statement and predict whether it is true or false based on what you know about gems. As you read, confirm or revise your prediction in the third column. If you need to revise the statement, change it to a true statement and write it in the box. If you confirmed your prediction, write the page number that you found the answer.

Statements	T or F?	Revise or Confirm Your Prediction
1. Diamonds are formed by minerals being squeezed under layers of rock.		
2. A ruby is a crystal.		
3. Crystals are formed by volcanoes.		
4. Coral is a gem.		
5. The word <i>carat</i> , which refers to the size of the gem, comes from the name of the vegetable, <i>carrot</i> .		
6. Clarity refers to the color of the gem.		
7. Emeralds are the hardest natural things in the world.		
8. A flawed emerald can be worth more than a perfect diamond.		
9. Cultured pearls are made by machines.		

Name _____

Instructions: Use the boxes below to write the cause-and-effect sequence for each process.
You can look back in the book to help you.

How sapphires are formed (p. 7)



How opals are formed (p. 7)



How gems become jewelry (p. 10-12)



How amber is formed (p. 9)



How pearls are formed (p. 9)



Name _____

Instructions: Read the sentences below. In the blank on the right, tell whether they are simple, complex, or compound. Then circle the parts of the sentences and label them *subject*, *verb*, *phrase*, or *conjunction*.

Gems are beautiful, and they are valuable. compound

subject verb conjunction subject verb

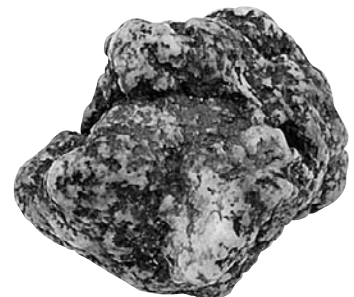
People who cut gems are called lapidaries. _____

Emeralds are very rare. _____

Diamonds are the hardest things on earth,
and nothing else can scratch them. _____

Pearls, which are organic gems,
form inside oysters. _____

The brilliant cut has many facets. _____



Name _____

Instructions: Below are words taken from *Gems: Treasures from the Earth*. Cut along the dotted lines to separate the boxes. Then move the boxes around on your desk to arrange the words in alphabetical order. Then write the words in alphabetical order on the lines below.

mixed	streak	strong
minerals	gemstone	stone
mining	striped	diamond
geologist	drill	style

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

