

CHAPTER

1

SCIENCE PUZZLERS, TWISTERS & TEASERS

The World of Life Science

Listening In

1. Figure out what step in the scientific method the scientists are practicing. Write the name of the step in the blank.

a. "Wow! I can't believe how green the grass is over there. Why isn't it brown like on our side of the mountain?"

b. "All right, Nan, flip that switch and cross your fingers."

c. "And that concludes my presentation on the effects of music on mollusk reproduction rates. Are there any questions?"

d. "Hmmm . . . If television viewing is important to weasel growth, then weasels who watch less television will not grow as much."

e. "Interesting. My graph of weasel weights shows that weasels that watch sitcoms weigh about 2 kg more!"

f. "The soil is richer where the grass is green. Shall we conclude that the soil is always richer on the other side?"

The World of Life Science, continued

Playing Pool

2. Each of these balls represents a different tool for looking at the world. Draw a line from the ball to the correct pocket on the table.



Above all, you want a 3-dimensional view of a flea's leg.



You want to be able to see that cool DNA strand.



You want to see how fast sperm can swim.



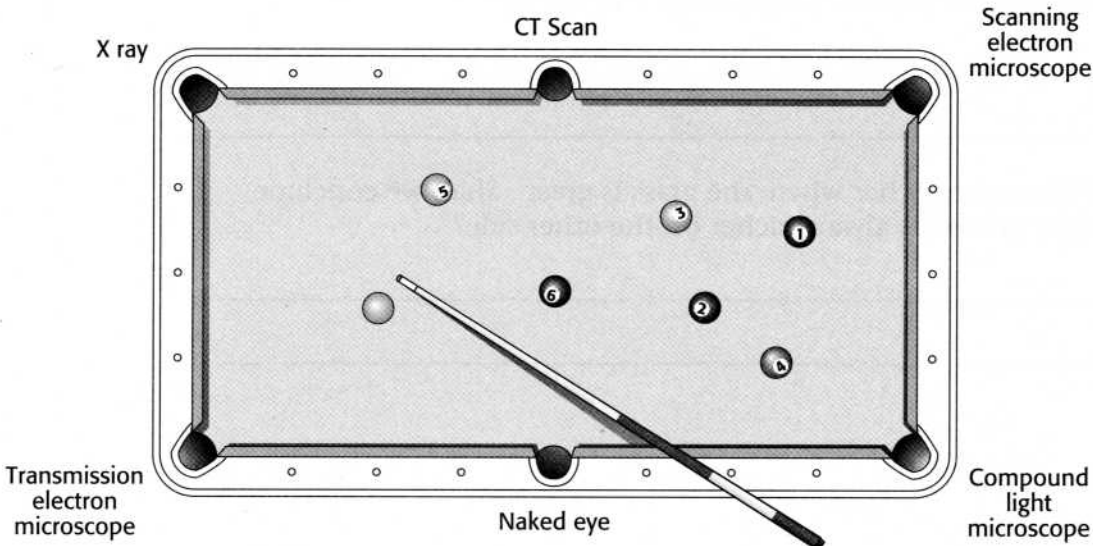
You think you broke your toes. How can you know?



You are curious about who has a cooler-looking brain: you or your friend.



You want to count the number of ladybugs on your tomato plants.



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