

Questions

- 1) Retest the graphite by connecting the test wires to the very edge of the graphite. Describe how the bulb looks.
- 2) Do you think graphite is a conductor or an insulator?
- 3) Now move the test wires closer to the center till they almost touch each other. What happened to the brightness of the bulb?
- 4) Which of the materials you tested are good conductors of electricity?
- 5) Which of the materials you tested are insulators?
- 6) Are metals electrical conductors or insulators?
- 7) Why is most electrical wiring, such as the wires in the tester you used in the lab made of copper?
- 8) In the space below draw a screwdriver. (Note: neatness counts) Make sure to label the materials that it is composed of and if those materials are an insulator or a conductor.