

Student's Name \_\_\_\_\_ Classroom Teacher \_\_\_\_\_



Metals have the following properties:

- shiny luster – reflect light
- good conductors of heat and electricity
- ductile: can be stretched into wire
- malleable: can be bent without breaking
- strong: able to support heavy loads without breaking

Three important metals are: aluminum, copper, and iron.

1. **Aluminum** is shiny, non-toxic (not poisonous), has a low density (light for its size) and does not corrode (rust). Choose the best answer for each question below.
  - a. Why is aluminum a good metal to use for drink cans?
  - b. Why is aluminum a good metal to use as a reflector in car headlights?
  - c. Why is aluminum a good metal to use for the top decks of ships?
  - d. How have you found aluminum foil useful?
2. **Copper** is a good electrical conductor, a good heat conductor, and does not corrode (rust).
  - a. Why is copper a good metal to use for water pipes?
  - b. Why is copper a good metal to use for pots and pans?