Year 7 Science: Temperature, thermal energy and choosing insulators

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. Which has more kinetic energy: a car at 30 km/h or the same car at 60 km/h?

2. Name the way heat travels from the Sun to Earth.

3. Why are saucepan handles often made of plastic or wood?

4. In a class test, a can wrapped in foil dropped 12 °C and one wrapped in felt dropped 5 °C. Which material is the better insulator?

5. Why does a puffer jacket keep you warm even though it is very light?

Fix the mistake

6. Correct this statement: "A metal bench feels colder because metal is colder than wood."

7. Correct this statement: "A jersey makes heat to keep you warm."

8. Correct this statement: "Temperature and thermal energy are the same thing."

9. Correct this statement: "Cold flows into your hands from a cold drink can."