

Year 8 Energy Homework 1

Name: _____ Form: _____

Parent's signature: _____ Due date: _____

'Types of Energy'

Energy comes in several different forms. The eight forms of energy are:

Sound, Light Heat, Kinetic, Electrical, Nuclear, Potential, Chemical

Complete the sentences below, using each form of energy only once.

1. The party popper gave a bang, which was.....energy.
2. When the magnesium burned, it glowed brightly, giving.....energy.
3. The magnesium is a chemical, so it contains.....energy.
4. The electric heater became warm, giving out.....energy.
5. The wires from the power supply carried.....energy to the heater.
6. When the spring in the Jack-in-the-box was compressed, it stored.....energy.
7. When the toy car moved, it had.....energy.
8. The radioactive rock sample contains.....energy.

Using the list of the eight types of energy you have learned about, answer the following:-

9. What type(s) of energy does each of the following produce?

1. electric kettle, _____ and _____
2. radio, _____
3. gas cooker, _____ and _____
4. lamp, _____ and _____
5. guitar, _____
6. electric fan. _____ and _____

10. What type of energy does the diesel fuel in a school bus have? _____
11. What kind of energy does the bus have when it is moving? _____
12. When the bus is parked at the top of the hill, what type of energy does it have? _____
13. Where does a Bunsen burner get its energy from? _____
14. What two types of energy does the bunsen produce when it is working? _____ and _____
15. Where does a torch get its energy from? _____

Energy can be categorised into 2 main groups: Potential and Kinetic (moving)

16. Which are the 4 types of potential energy?

_____, _____, _____ and _____

17. Where are all the energy originally come from? _____

18. Give 4 examples of chemical energy. _____, _____, _____ and _____.