

Bukit View Secondary School
Lower Secondary Science
Worksheet – Form of energy III

Name: _____() Class: Sec 1T__ Date: _____/2002

1. The following is a list of different types of energy changes.

| | | |
|-------------------|--------|-------------------|
| chemical energy | —————→ | heat energy |
| electrical energy | —————→ | heat energy |
| heat energy | —————→ | mechanical energy |
| chemical energy | —————→ | mechanical energy |
| sound energy | —————→ | electrical energy |

From the above list, select the energy changes that occur in each of the following.

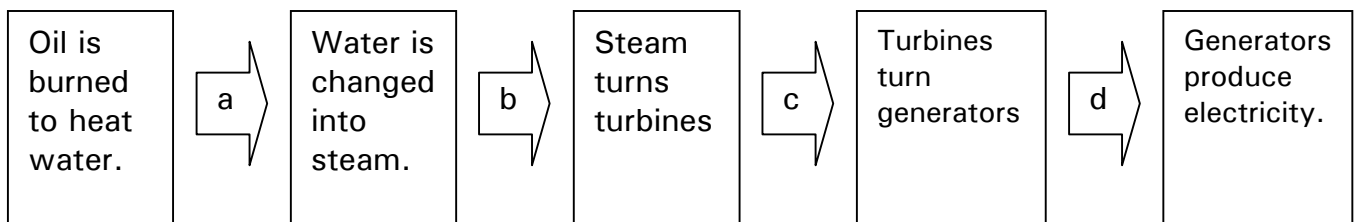
- a) a toaster : _____
- b) a kerosene : _____
- c) a steam turbine : _____
- d) car engine : _____
- e) microphone : _____

2. Complete the following passage.

| | | | | | | | |
|---------|----------|------|----------|----------|-------------|--------|-----|
| burning | decaying | coal | millions | chemical | natural gas | animal | sun |
|---------|----------|------|----------|----------|-------------|--------|-----|

Fossil fuels were formed from (i) _____ plant and (ii) _____ matter that lived (iii) _____ of years ago. Examples of fossil fuels are (iv) _____, oil and (v) _____. The energy inside the fossil fuels originally came from the (vi) _____. The energy can be released in the form of heat by (viii) _____ the fossil fuels. This is an example of conversion of (ix) _____ energy into heat energy.

3. Oil is a common fuel in power stations.



Name the energy conversion for each stages **a** to **d**.

- (i) **a:** _____ is converted to _____
- (ii) **b:** _____ is converted to _____
- (iii) **c:** _____ is converted to _____
- (iv) **d:** _____ is converted to _____