

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

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

- Which of the following substances possesses chemical energy?
A candle
B feather
C wind
D water ()
- The splitting up of atoms of heavy elements like uranium into lighter elements is called
A nuclear fission.
B nuclear fusion.
C decomposition.
D electrolysis. ()
- Light energy is converted to electrical energy when
A a candle is lit up.
B an electric bulb is switched on.
C a solar cell is in use
D a toy car is wound up. ()
- Electrical energy is converted into sound energy when
A a match is burnt.
B a loudspeaker is switched on.
C an electric fan is switched on.
D a microphone is in use. ()
- In which form is the energy stored in the petrol in the car engine?
A chemical
B nuclear
C electric
D heat ()
- When a stone is thrown up wards, the stone possesses maximum potential energy when it is
A just released from the hand.
B mid-way through the journey.
C three quarter through the journey.
D at the highest point. ()

7. When green plants photosynthesize, _____ energy is converted into _____ energy.
- | | | | | |
|---|-----------------|---|----------------|---------|
| A | light; kinetic | B | heat; chemical | |
| C | light; chemical | D | heat; nuclear | () |
8. Water stored in dams possesses _____ energy.
- | | | | | |
|---|-------------------|---|-------------------------|---------|
| A | elastic potential | B | gravitational potential | |
| C | kinetic | D | mechanical | () |
9. In a power station runs by steam, the conversion of energy is
- | | | | | | | | | |
|---|----------|---|------------|---|------------|---|------------|---------|
| A | heat | → | chemical | → | mechanical | → | electrical | |
| B | chemical | → | heat | → | mechanical | → | electrical | |
| C | heat | → | mechanical | → | chemical | → | electrical | |
| D | chemical | → | heat | → | electrical | → | mechanical | () |
10. Which is Earth's main source of energy?
- | | | | | |
|---|-------------------|---|-------------|---------|
| A | Electricity | B | Fossil Fuel | |
| C | Nuclear reactions | D | The Sun | () |