

ENERGY STORES AND SYSTEMS

Q: Answer the following questions.

1. Describe 4 ways of energy transfer through a system? [2 Marks]

2. Write names of 8 different types of energy stores. [2 Marks]

3. A fast-moving car bumped into a stationary car. How did the energy transfer take place in this situation? [2 Marks]

4. What is a system? Differentiate between an open and a closed system. What is the total energy of a closed system?

[4 Marks]

5. When a car brakes are hit, is there any energy transfer between the brakes and the wheel? If so, elaborate. [2 Marks]

6. How does the energy transfer take place when a player throws a ball upwards?

[2 Marks]

7. What is the relation between energy transfer and work done? [1 Mark]

8. Describe the energy changes involved when water is boiled in an electric kettle. [2 Marks]

Total Marks: [17]

THE END