

The National Orthodox School/ Shmaisani

Subject: Science/ Physics

Name: Answer key

Grade 6 CS all sections Date:

Answer key page 21.

Questions

- 1. Name three fuels.
- 2. Give two reasons why your body needs energy when you are asleep.
- 3. Calculate the number of joules in 200 kJ.
- 4. Explain why it is important for young children to take in more energy than they need for the activities they do each day.
- 5. Calculate the number of minutes that you would need to cycle to use up the energy in 100 g of chocolate.

Q1: Oil, wood and coal.

Q2: For keeping your body warm and breathing.

Q3: 200,000 joules (1 KJ = 1000 J)

Q4: To grow bigger bones, brains and muscles.

Q5: 1500 KJ / 25 KJ per minutes = 60 minutes (1 hour)

















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Questions

- 1. Write down two sources of chemical energy.
- 2. A child picks up a toy from the floor. Name the store that has gained energy.
- 3. Describe the way energy is stored in a stretched elastic band.
- 4. A pendulum swings backwards and forwards. Write down two of the energy stores involved.
- 5. A student thinks that the Sun is a huge ball of fire that provides the energy for the Earth. Would you say that they are correct? Explain your answer.

Q1: Food, Fuel and battery.

Q2: Gravitational potential energy.

Q3: Elastic potential energy.

Q4: Gravitational potential energy, Kinetic energy.

Q5:(Not required)