

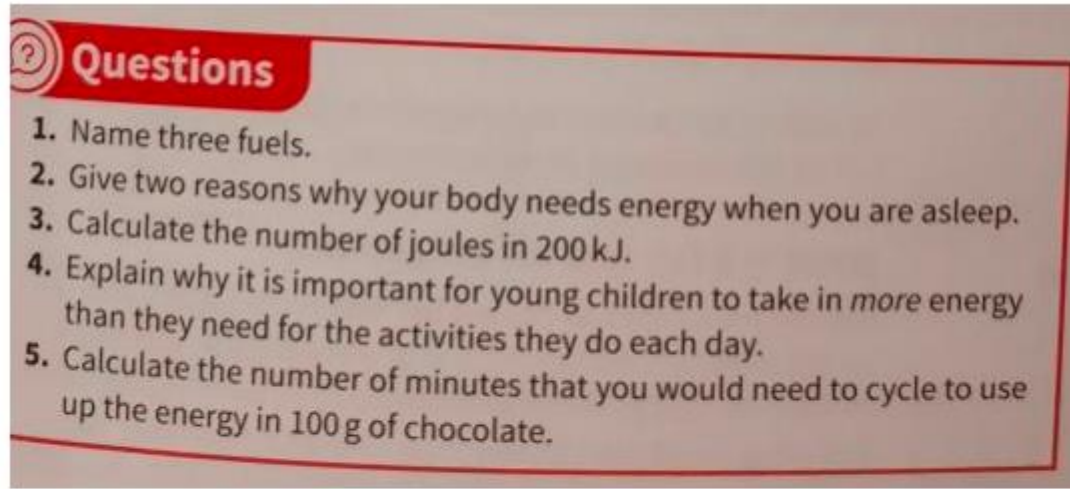
Subject: Science/ Physics

Name: ..... **Answer key** .....

Date: .....

Grade 6 CS all sections

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 .

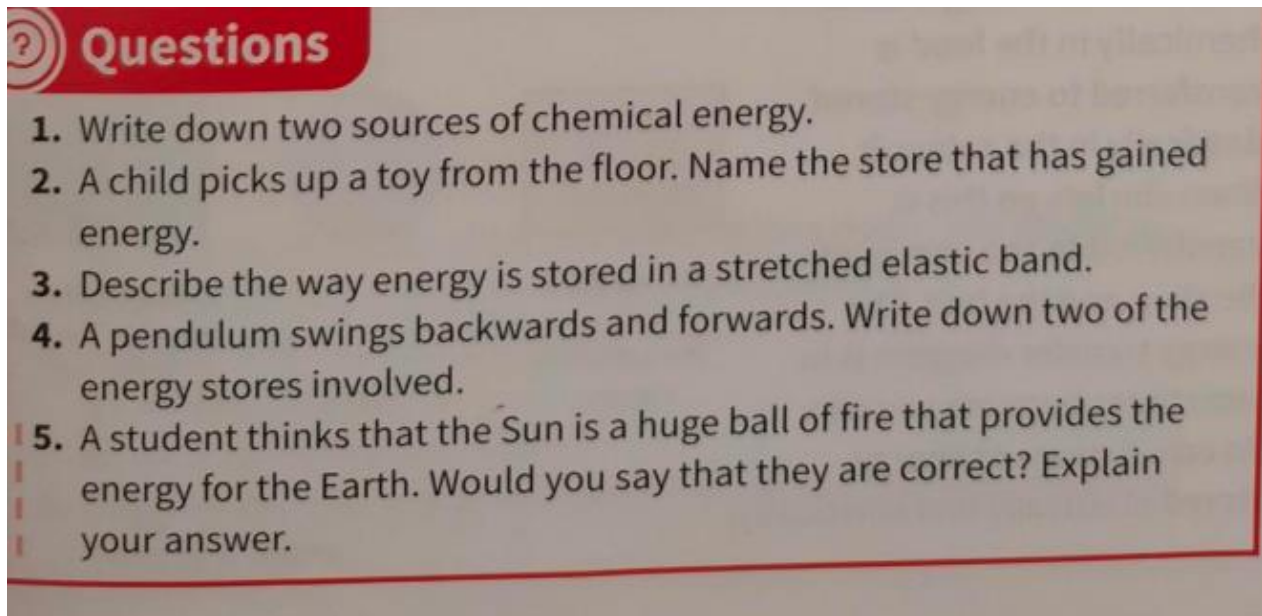
Q2: For keeping your body warm and breathing.

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

Q4: To grow bigger bones, brains and muscles.

Q5:  $1500 \text{ KJ} / 25 \text{ KJ per minutes} = 60 \text{ minutes (1 hour)}$

## Answer key page 25:



**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 included ).**