

6th grade science sol review packet

banyunore

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Paragraph 1: Earth's Systems

1. Which layer of the Earth is the thickest? **Answer:** Mantle
2. What is the process by which water evaporates and condenses into clouds?
Answer: Water cycle
3. Which type of rock is formed from cooled and hardened magma? **Answer:** Igneous rock

Paragraph 2: Ecosystems

1. What is the role of decomposers in an ecosystem? **Answer:** Break down dead organisms and recycle nutrients
2. Which organism in a food web produces its own food? **Answer:** Producer
3. What is the difference between a population and a community? **Answer:** A population is a group of the same species, while a community is all the living organisms in an area

Paragraph 3: Force, Motion, and Energy

1. What type of force causes an object to move towards the center of the Earth?

Answer: Gravity

2. Which of the following is a potential energy? **Answer:** A ball held above the ground

3. What is the unit of measurement for energy? **Answer:** Joule

Paragraph 4: Matter and Its Properties

1. Which state of matter has a definite shape and volume? **Answer:** Solid

2. What is the process by which a liquid changes to a gas? **Answer:** Evaporation

3. Which property of matter describes its ability to conduct heat? **Answer:** Thermal conductivity

Paragraph 5: Waves

1. Which type of wave is produced by the vibration of a medium? **Answer:** Mechanical wave

2. What is the difference between the wavelength and amplitude of a wave? **Answer:** Wavelength is the distance between crests, while amplitude is the height of the crest above the equilibrium point

3. Which type of electromagnetic wave has the highest frequency? **Answer:** Gamma rays

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