

When you are taking this exam, remember these important things:

- Read each question carefully and think about the answer before you write.
- Number your answers correctly.
- Rule off between each section.
- If you finish early, you must check your work.

Section A: Energy and Change

I. MULTIPLE CHOICE

Answer the following questions by writing down the correct LETTER only.

1.1. Any sound that continues for a long time and is loud, unpleasant or harmful to our ears.

- A) Noise Pollution
- B) Water Pollution
- C) Hearing Pollution
- D) Air Pollution



1.2. Which statement best describes how energy can be harmful?

- A) A fire burns down a house
- B) Electricity heats an oven
- C) A lamp lighting up a room
- D) An alarm clock wakes up a sleeping person

1.3. Humans have hair and nails that are always growing. What provides the energy needed for this growth to happen?

- A) wind
- B) food
- C) water
- D) soil

1.4. Which form of energy is produced when Aaron claps his hands?

- A) chemical
- B) electrical
- C) light
- D) sound



1.5. Which energy transfer happens when Mrs. Scheepers blows a whistle?

- A) Electrical to sound
- B) Light to electrical
- C) Heat to movement
- D) Movement to sound



2. ENERGY

2.1. The diagram below shows three objects that use the same type of energy: a drill, a television, and a lamp.

Name the main form of energy used by all three.

(1)



2.2. The diagram below shows Ram sitting near a campfire roasting a marshmallow on a cool evening. Different types of energy are produced (made) by the campfire.

Complete the table below by describing TWO ways that each type of energy produced by the campfire is helpful to Ram. DO NOT DRAW THE TABLE.

(4)



TYPE OF ENERGY PRODUCED	HOW IT IS HELPFUL
Heat	a) b)
Light	c) d)

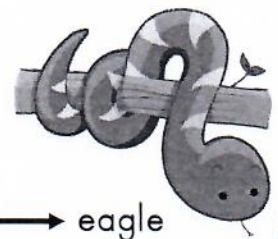
3. FOOD CHAINS

3.1. Copy and complete the food chain below.

Fill in the missing words from the word box below:



WORD BOX		
snake	rat	grass



→ grasshopper → → → eagle (3)

3.2. Find the problem in each food chain by finding which two organisms have been switched.

For example: grass → bird → spider. ANSWER: bird/spider

- a) grass → worm → frog → spider
 b) grasshopper → grass → rat → bird



(2)

SUBTOTAL 15

Section B: Earth and Beyond

1. Mix and Match: Match the words in List A with their meaning in List B.
Write the number and letter ONLY.

(5)



List A	List B
1.1. habitat	A) A model of Earth
1.2. orbit	B) Moving air
1.3. island	C) Natural home of a plant or animal
1.4. wind	D) Path of a planet or moon around an object
1.5. globe	E) Small area of land surrounded by water

2. True or False: State if the sentences are True or False.
Write the word True or False only.



- 2.1. The Sun is a star.
- 2.2. The Moon only shines at night.
- 2.3. A Full Moon is when the Earth is between the Sun and the Moon.
- 2.4. The Sun takes $365 \frac{1}{4}$ days to orbit the Earth.

(4)

3. Write ONE word only for each definition provided.

- 3.1. The force that pulls something down towards Earth.
- 3.2. A person who travels in space.
- 3.3. A large object like Earth and Mars that moves around a star.
- 3.4. An instrument we use to see things that are far away.



(4)

4. Read the questions below carefully and answer to show your understanding.

- 4.1. List the **THREE** main features of Earth.
- 4.2. What is a continent?
- 4.3. How many continents do we have on Earth?
- 4.4. On which continent do you live?
- 4.5. List the names of the eight planets.

(2)

(1)

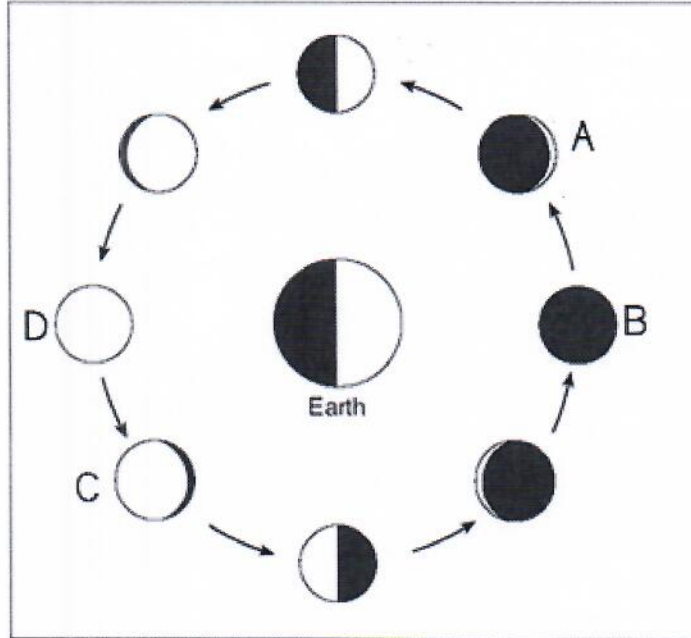
(1)

(1)

(3)

5. THE MOON

Look at the diagram below and answer the questions which follow:



- 5.1. Give this diagram a heading. (1)
- 5.2. Complete the sentence: When the moon is growing larger we say it is (1)
- 5.3. Provide labels for: (2)
- A)
 - B)
 - C)
 - D)

SUBTOTAL 25
TOTAL 40

