

Grade 6 Natural Science and Technology: Term 2 Assessment

Name: _____ Roll: _____ / 20

Date: _____ Time: 40 minutes

This paper consists of six questions

- Question 1: Multiple Choice Questions (10)
- Question 2: Complete the sentences (10)
- Question 3: Matching and Order of Matching (10)
- Question 4: Formula (10)
- Question 5: Food Processing and Nutrition (10)
- Question 6: Water Pollution and Conservation (10)

Instructions

1. Answer all questions
2. Answer the questions in the question order
3. Write neatly and legibly.
4. Good luck!



10/10

QUESTION 1

Read each of the following, then answer

the question! (10)

Write your answers in the spaces provided.

1. The energy from sunlight can

be used to produce food. (10)

2. Energy can be

transformed from one form to another. (10)

3. Energy from the sun

is used to produce food. (10)

4. Energy can be

transformed from one form to another. (10)

QUESTION 2

Read each of the following, then answer

the question! (10)

Write your answers in the spaces provided.

1. Food has a food value

because it provides energy. (10)



2. Energy in the food

is used to produce food. (10)

3. Energy can be

transformed from one form to another. (10)

QUESTION 3

Read each of the following, then answer

the question! (10)

Write your answers in the spaces provided.

1. The energy from sunlight can

be used to produce food. (10)

2. Energy can be

transformed from one form to another. (10)

3. Energy from the sun

is used to produce food. (10)

4. Energy can be

transformed from one form to another. (10)

5. Energy can be

transformed from one form to another. (10)

6. Energy can be

transformed from one form to another. (10)

7. Energy can be

transformed from one form to another. (10)

8. Energy can be

transformed from one form to another. (10)

9. Energy can be

transformed from one form to another. (10)

QUESTION 4

Read each of the following, then answer

the question! (10)

Write your answers in the spaces provided.

1. The energy from sunlight can

be used to produce food. (10)

2. Energy can be

transformed from one form to another. (10)

3. Energy from the sun

is used to produce food. (10)

4. Energy can be

transformed from one form to another. (10)

5. Energy can be

transformed from one form to another. (10)

6. Energy can be

transformed from one form to another. (10)

7. Energy can be

transformed from one form to another. (10)

8. Energy can be

transformed from one form to another. (10)

9. Energy can be

transformed from one form to another. (10)

10. Energy can be

transformed from one form to another. (10)

QUESTION 5

Read each of the following, then answer

the question! (10)

Write your answers in the spaces provided.

1. The energy from sunlight can

be used to produce food. (10)

2. Energy can be

transformed from one form to another. (10)

3. Energy from the sun

is used to produce food. (10)

4. Energy can be

transformed from one form to another. (10)

5. Energy can be

transformed from one form to another. (10)

6. Energy can be

transformed from one form to another. (10)

7. Energy can be

transformed from one form to another. (10)

8. Energy can be

transformed from one form to another. (10)

9. Energy can be

transformed from one form to another. (10)

10. Energy can be

transformed from one form to another. (10)

QUESTION 6



10/10

QUESTION 6

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Richard Bailey



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web fig 1 block diagram of line follower robot fig 2 implemented line follower prototype model 2 pick and place robot the robotic arm is a type of mechanical arm which is usually programmable with similar functions to a human arm and human controlled based system the pick and place robotic arm consists of a robotic arm placed on a moving

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web design analysis of a remote controlled pick and place robotic vehicle 59 fig 1 block diagram of mode of operation 3 1 4 elbow this is the joint between links b and c and it has one degree of freedom actuated by a rc servo motor it can rotate to about 180 by design by link a the motion about the elbow is actuated by a set of gear brains

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web block diagram showing receiver of a pick n place robot the system consists of two motors for providing motion to the whole robot and two other motors to provide the arm motion the end effector or the gripper needs to be controlled to apply proper pressure on the object to handle it effectly to give it a soft grip

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web here programmable logic and controller is used for controlling and operating robotic arm all the various problems of this process have been analyzed properly and have been taken into consideration while programming and designing the pick and place robotic arm keywords automation plc pick and place robotic arm

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web dec 1 2017 the project is about utilizing four wheeled robot arduino uno microcontroller to create a pick and place robot that can do any pick and place function a radio frequency transmission fsi6 is

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web based on the user commands the robot moves and pick and place the objects the robotic arm used here is similar to a human arm which is programmed to perform the pick and place functions the remainder of this paper is organized as follows the section 2 provides information about the existing works section 3 gives details of the proposed

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web abstract this paper discusses the design of a pick and place cylindrical robotic manipulator optimized for processes where parts will be moved from one assembly cell to another located above a literature review was done to

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web pick and place robot module block diagram 14 3 3 1 robotic arm design the robotic arm with gripper termination has five degrees of freedom with a rotating base that rests on the upper region of the vehicle as depicted in figure 6