



## Natural Science and Technology



### Task 10

### Term 2

**Instructions:** \*Read all questions carefully before answering

\*Write your name and grade in the space provided below

\*All answers must be written in blue pen

Name: \_\_\_\_\_

Grade 5: \_\_\_\_\_

Duration: 1 hour

Total: /50

#### Question 1

1. Match column A with column B. Write **ONLY** the correct matching letter in column C. (5)

A	B	C
1.1 Metals	A. Various combinations of metals or combinations of metals and non-metals.	1.1
1.2 Shearing Force	B. Ability to be hammered or pressed into shape without breaking or cracking.	1.2
1.3 Insulator	C. Happens when compressive forces that are not acting along the same lines are put in opposite directions.	1.3
1.4 Malleable	D. A substance or device which does not readily conduct electricity.	1.4
1.5 Alloys	E. A solid material, which is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity	1.5

**Question 2**

**Briefly define the following terms:**

**(5)**

**2.1 Ductile:**

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**2.2 Non-metal:**

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**2.3 Conductor:**

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**2.4 Brittle:**

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**2.5 Properties:**

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**Question 3**

**State whether the following statements are true or false**





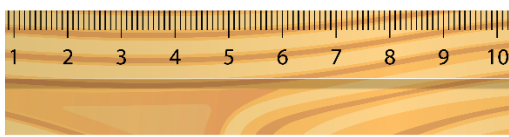
**(5)**

3.1 Mercury is a metal.	
3.2 Non-Metals can be hammered into shape.	
3.3 Gold is an example of a metal.	
3.4 Glass is an example of a non-metal.	
3.5 You can see through a metal.	

**Question 4**

**Identify whether the following pictures are metals or non-metals. Tick your answer the correct column.**

**(5)**

	<b>Image</b>	<b>Metal</b>	<b>Non-Metal</b>
4.1			
4.2			
4.3			
4.4			
4.5			

**Question 5**

**5.1 List any 3 properties of metals (3)**

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**5.2 List any 3 properties of non-metals (3)**

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**Question 6**

**Answer the following questions**

**6.1 Why is plastic a good insulator? (2)**

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**6.2 Why do we use plastic for household pans and pots handles? (2)**

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**6.3 List at least any 2 properties of glass. (2)**

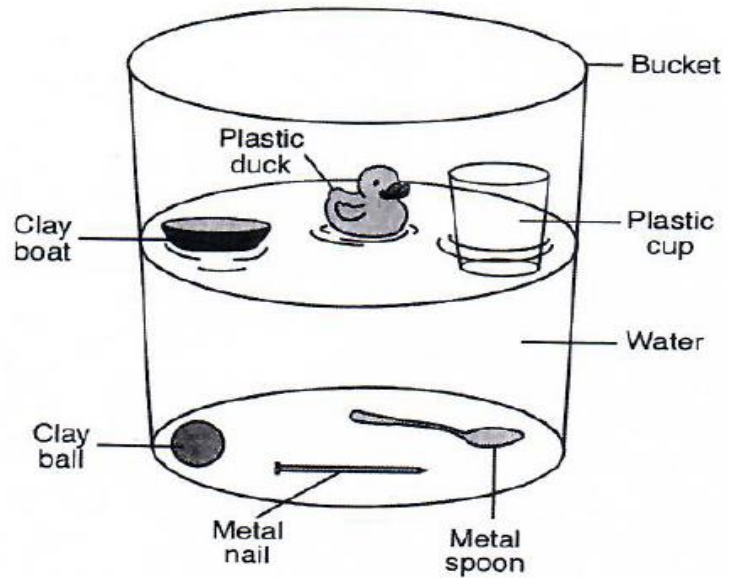
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**Question 7**

**Use the diagram below to answer the following questions.**



**7.1 Name the objects that are GOOD conductors of heat and electricity. (2)**

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**7.2 Name two of the non-metal objects that are floating? (2)**

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**7.3 If I take the plastic cup and fill it with water would the diagram change? (answer yes or no) Explain what would happen to the plastic cup. (3)**

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**Question 8**

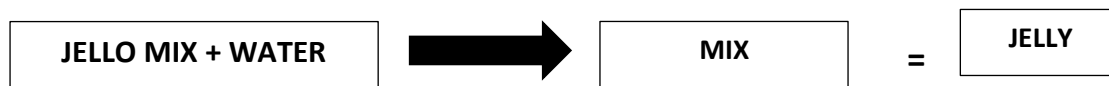
Complete the following sentences by choosing the correct word from the list below:

clay,	strong,	cultures,	adobe,
straw,	hard,	kiln,	waterproof

- 8.1. \_\_\_\_\_ bricks are dried in the sun.
- 8.2. These bricks are made from a mixture of \_\_\_\_\_ and \_\_\_\_\_.
- 8.3. The straws makes the bricks \_\_\_\_\_.
- 8.4. Many \_\_\_\_\_ around the world build using these bricks.
- 8.5. Clay bricks are fired in an oven called a \_\_\_\_\_. (6)

**Question 9**

Look at the illustration below and answer the questions that follow



- 9.1 List the raw materials. (2)

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- 9.2 Identify the product created. (1)

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**Question 10**

- 10.1 List 2 things that people in Africa make using traditional processing methods. (2)

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