

**SIDDEEQ PUBLIC SCHOOL**

ENTRY TEST ... 49

**SCIENCE**

Max. Marks: 10

ADMISSION to CLASS: 7

Checked by	Srv #	Sign:	Rechecked by	Srv #	Sign:	Marks:
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**Objective****Q.1 Fill in the blanks.**

(1.0×4)

- (i) \_\_\_\_\_ is the breakdown of food into small molecules so that it can enter into cells through cell membrane.
- (ii) An electrochemical cell is known as a single unit device that converts \_\_\_\_\_ energy to \_\_\_\_\_ energy.
- (iii) \_\_\_\_\_ is almost everywhere around us, constituting 78% of the Earth's atmosphere.
- (iv) In \_\_\_\_\_ circuit there is only one path through which charges can flow.

**Short-Answer Questions**(Best three will be considered.)

(2.0×3)

**Q.2 Answer the following questions.**

- (i) Write down any
- two
- differences between animal and plant cells.

- \_\_\_\_\_
- \_\_\_\_\_

- (ii) Write down
- one
- source and
- one
- function of following vitamins.

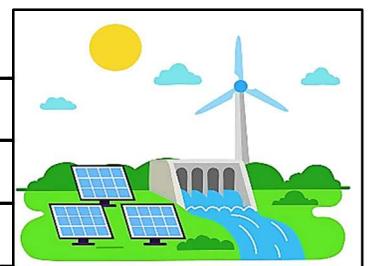
Vitamin	Source	Function
Vitamin A		
Vitamin D		

- (iii) Identify the given energy
- sources
- as
- renewable
- or
- non-renewable
- . Also justify your answer.

**Identification :** \_\_\_\_\_**Justification:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

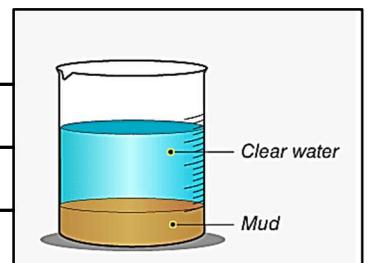


- (iv) Is
- filtration
- a suitable method for separating mud from water? If yes, explain the method.

**Yes/No :** \_\_\_\_\_**Explanation :** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



(Use backside of the sheet for continuation.)

**ENTRY TEST ... 49**  
**ADMISSION TEST TO GRADE: 7**  
**SCIENCE**  
**KEY**

**Q.1 Fill in the blanks.**

- (i) Digestion    (ii) Chemical; Electrical    (iii) Nitrogen    (iv) Series

**Q.2 Answer the following questions.**

- (i) Differences (Any two)

- Plant cells contain a cell wall, while animal cells do not.
- Plant cells contain chloroplast, while animal cells do not.
- Plant cells have a definite shape, while animal cells are irregular in shape
- In plant cells, nucleus is pushed to one side while in an animal cell nucleus is present at the center of the cell.

- (ii)

<b>Vitamin</b>	<b>Source (Any 1)</b>	<b>Function (Any 1)</b>
<i>Vitamin A</i>	Vegetables, fruits, egg yolk, butter	<ul style="list-style-type: none"><li>• Improves eye sight</li><li>• Enhance immunity</li></ul>
<i>Vitamin D</i>	Dairy products, eggs, sunlight, Liver and fish oil	<ul style="list-style-type: none"><li>• Make bones and teeth strong</li><li>• Absorption of calcium</li></ul>

- (iii) Renewable energy sources

Renewable energy comes from sources or natural processes that are constantly replenished over short period of time. These can be used again and again.

- (iv) Yes

Pour the mixture of mud and water into a filter paper. The mud particles cannot pass through the filter paper. Hence, they are left on the filter paper as residue. And the liquid (water) that passes through the filter paper is called filtrate.