

Mount Litera Zee School Roorkee

Grade-VII

Subject- Science

Date : 19.9.20

Notes-write in notebook

REVISION WORKSHEET

1.Fill in the blanks :

- (a) The hotness of an object is determined by its _____.
- (b) Temperature of boiling water cannot be measured by a _____ thermometer.
- (c) Temperature is measured in degree _____.
- (d) No medium is required for transfer of heat by the process of _____.
- (e) A cold steel spoon is dipped in a cup of hot milk. Heat is transferred to its other end by the process of _____.
- (f) Clothes of _____ colours absorb more heat better than clothes of light colours.

2. Mark 'T' if the statement is true and 'F' if it is false:

- (i) Nitric acid turn red litmus blue. (T/F)
- (ii) Sodium hydroxide turns blue litmus red. (T/F)
- (iii) Sodium hydroxide and hydrochloric acid neutralise each other and form salt and water. (T/F)
- (iv) Indicator is a substance which shows different colours in acidic and basic solutions. (T/F)
- (v) Tooth decay is caused by the presence of a base. (T/F)

3.Answer the following questions in short.

Q1. What happens when :

- i). Magnesium is burnt in the presence of Oxygen and the product obtained is added to water
- ii). An acid and a base is reacted.
- iii). Blue litmus is added to vinegar.
- iv). Lemon juice is added to baking soda

Q2. Ammonia is used in many household products like window cleaners. It turns red litmus to blue. What is the nature of ammonia?

Q3. What causes acidity in stomach? Why does a doctor recommend an antacid to a person suffering from acidity?

Q4. Give reasons : (i) Ventilators are provided near the ceiling.

(ii) The bottom of cooking utensils are coloured black.

Q5. What is role of kink in a clinical thermometer?

Q6. What precautions should be observed while using s clinical thermometer.

Q7. What are migratory birds?

Q8. What is the function of sticky pads in red eyed frog?

Q9. How do tropical rainforests support wide variety of plants and animals?

Q10. Give reasons;- a. Polar bears have 2 thick layers of fur.

b. Penguins have a thick skin and a lot of fats

4. Multiple Choice Questions

1. One litre of water at 30°C is mixed with one litre of water at 50°C. The temperature of the mixture will be

(a) 80°C

(b) more than 50°C but less than 80°C

(c) 20°C

(d) between 30°C and 50°C

ans.d

2. An iron ball at 40°C is dropped in a mug containing water at 40°C. The heat will

(a) flow from iron ball to water.

(b) not flow from iron ball to water or from water to iron ball.

(c) flow from water to iron ball.

(d) increase the temperature of both.

ans.b

3. A wooden spoon is dipped in a cup of ice cream. Its other end

(a) becomes cold by the process of conduction.

(b) becomes cold by the process of convection.

(c) becomes cold by the process of radiation.

(d) does not become cold.

ans d

4. Stainless steel pans are usually provided with copper bottoms. The reason for this could be that

- (a) copper bottom makes the pan more durable.
- (b) such pans appear colourful.
- (c) copper is a better conductor of heat than stainless steel.
- (d) copper is easier to clean than stainless steel.

ans c

5. Consider the following statements:

- (i) Both acids and bases change colour of all indicators.**
- (ii) If an indicator gives a colour change with an acid, it does not give a change with a base.**
- (iii) If an indicator changes colour with a base, it does not change colour with an acid.**
- (iv) Change of colour in an acid and a base depends on the type of the indicator.**

Which of these statements are correct?

- (a) All four
- (b) a and d
- (c) b, c and d
- (d) only d

ans.d

6 The gas we use in the kitchen is called liquified petroleum gas (LPG). In the cylinder it exist as a liquid. When it comes out from the cylinder it becomes a gas (Change – A) then it burns (Change – B). The following statements pertain to these changes. Choose the correct one.

- (a) Process – A is a chemical change.
- (b) Process – B is a chemical change.
- (c) Both processes A and B are chemical changes.
- (d) None of these processes is a chemical change

ans.b

7. Which features adapt polar bears to live in extremely cold climate?

- (a) A white fur, fat below skin, keen sense of smell.
- (b) Thin skin, large eyes, a white fur.
- (c) A long tail, strong claws, white large paws.
- (d) White body, paws for swimming, gills for respiration.

ans.a

8. Which option best describes a tropical region?

- (a) hot and humid
- (b) moderate temperature, heavy rainfall
- (c) cold and humid
- (d) hot and dry

ans a

9. Humidity is the measure of

- (a) temperature
- (b) pressure
- (c) moisture
- (d) wind

ans.c

10. Which of the following does not live in the polar region?

- (a) Penguin
- (b) Polar bear
- (c) Camel
- (d) Reindeer

ans c

11. The most outstanding feature of a lion-tailed macaque is

- (a) silver-white mane
- (b) sticky pads on feet
- (c) long and large beak
- (d) ability to change colour

ans a

12. The tropical climate is the one which is:

- (a) neither very hot nor very cold
- (b) very hot and humid
- (c) very hot and dry
- (d) very cold and dry

ans b

13. The animal having sticky pads on its feet which help it to climb easily on trees is:

- (a) toucan
- (b) red-eyed frog
- (c) Siberian crane
- (d) reindeer

ans b

14. One of the most common migratory bird which comes to India from Siberia is:

- (a) Crow
- (b) Crane
- (c) Toucan
- (d) Parakeet

ans b

Solution:

Fill in the blanks

- (a) temperature.
- (b) clinical thermometer.
- (c) Celcius.
- (d) radiation.
- (e) conduction.
- (f) dark

True and False:

- i) False
- ii) False
- iii) True
- iv) True
- v) False