

CLASS NOTES(PT-2)

Class: VII

Subject: Science

Topic: Worksheet

Chapter:

: Nutrition in plants

: Nutrition in animals

: Motion and time

: Heat

: Physical and chemical changes

: Acids, Bases and Salts

(A) Multiple Choice Questions-

1. Observe the image and identify the mode of transfer of heat in the hand-held object-

- a. Conduction
- b. Radiation
- c. Convection
- d. Both a and b



2. Milk of magnesia turns blue litmus into-

- a. Red
- b. Orange
- c. No change in colour
- d. green

3. Water from the undigested food is absorbed mainly in the-

- a. Stomach
- b. Food pipe
- c. Small intestine
- d. Large intestine

4. Which gas is released when Magnesium reacts with metals?

- a. Hydrogen
- b. Oxygen
- c. Nitrogen
- d. Carbon dioxide

5. Name the device which is used to measure the hotness or coldness of an object-

- a. Picometer
- b. Barometer
- c. Manometer
- d. Thermometer

6. Which of the following is an acid-base indicator?

- a. Vinegar
- b. Lime water
- c. Turmeric
- d. Baking soda

7. Observe the image and identify the type of change-

- a. Chemical change
- b. Physical change
- c. Both a and b
- d. None of these

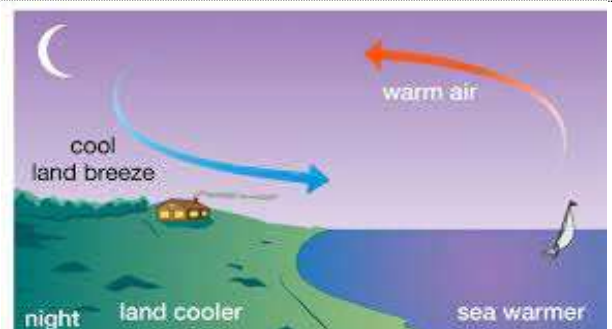


8. Paheli and Boojho measured their body temperature. Paheli found her's to be 98.6°F and Boojho recorded 37°C . Which of the following statement is true?

- (a) Paheli has a higher body temperature than Boojho.
- (b) Paheli has a lower body temperature than Boojho.
- (c) Both have normal body temperature.
- (d) Both are suffering from fever.

9. Examine the image and identify the phenomenon in the given image—

- a. Conduction
- b. Land breeze
- c. Sea breeze
- d. Tornado



10. Fat is completely digested in the-

- a. Stomach
- b. Mouth
- c. Small intestine
- d. Liver

11. Which of the following is a physical change?

- a. Rusting of iron
- b. Combustion of magnesium ribbon
- c. Burning of candle
- d. Boiling of water

12. The distance travelled by the vehicles is recorded by-

- a. Monometer
- b. Odometer
- c. Speedometer
- d. Moto meter

13. The motion of the moon around the earth represents a-

- a. Periodic motion
- b. Oscillatory motion
- c. Curvilinear motion
- d. None of these

(B) Match the following:

Column A

- a. Protein
- b. Carbonic acid
- c. Magnesium hydroxide
- d. Carbohydrate
- e. Red litmus
- f. Acetic acid

Column B

- i. Sugar
- ii. Turns blue in base
- iii. Vinegar
- iv. Organic acid
- v. Weak base
- vi. Amino acid

(C) Fill in the blanks:

- a. A _____ near the bulb of a clinical thermometer prevents mercury level from falling of its own.
- b. All bases contain _____ ions.
- c. The thermometer used to measure human body temperature is called _____ thermometer
- d. When an acidic solution is mixed with a basic solution, both the solutions _____ the effect of each other.
- e. Melting of candle wax is _____ change but its burning is a _____ change.
- f. The largest gland in the human body is _____
- g. The stomach releases hydrochloric acid and _____ which acts on food.
- h. The inner wall of the _____ has many finger-like outgrowths called _____.
- i. Excessive use of chemical fertilizers makes the soil _____ in nature.
- j. On touching a cube of ice, we feel _____ because some heat passes from our body to the ice.
- k. The distance-time graph for the motion of an object moving with a constant speed is a _____ line.

(D) Subjective Questions:

1. Name the part of the digestive canal which is involved in-

- i. absorption of food
- ii. chewing of food
- iii. killing of bacteria

2. Write two similarities and two differences between the nutrition in amoeba and human beings.

3. What happens when (use chemical/word reaction)-

- a) Magnesium ribbon burns.
- b) Iron is exposed to oxygen in the presence of moisture.
- c) Vinegar reacts with baking soda.
- d) Carbon dioxide mixed with lime water.

4. Define following terms-

- a) Galvanization
- b) Symbiosis
- c) Saprotrophs
- d) Speed
- e) Stomata
- f) Photosynthesis

5. Convert following units-

- a) 10°C into Kelvin
- b) -40°C into $^{\circ}\text{F}$
- c) 40 km/h to m/s
- d) 90 sec to minute

6. Differentiate between (any three differences)-

- a) Physical and chemical changes
- b) Acids and Bases

7. Sunitha can type 1800 words in half an hour. What is her typing speed in words per minute?

8. A man runs 10 km in 30 min. What is his speed per hour?

