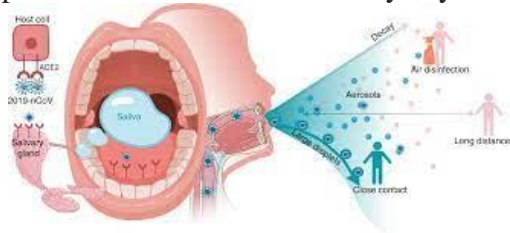


Category 3 (Grades 7th-8th)

1. We produce how much saliva every day!



- A) 1 gallon
- B) 1 liter
- C) 1 quart
- D) 1 cup

2. Rearing of silkworm for production of silk is



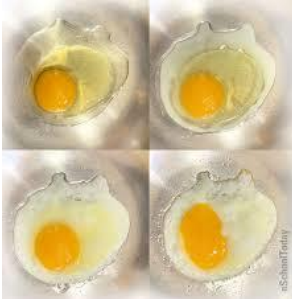
- A) Pisciculture
- B) Horticulture
- C) Sericulture
- D) Agriculture

3. List the four stages of the complete metamorphosis life cycles in the correct order.

- A) Egg, Pupa, Larva, Adult
- B) Egg, Larva, Pupa, Adult
- C) Adult, Egg, Larva, Pupa
- D) Adult, Egg, Pupa, Larva

4. Which of these examples is a physical change?

A) Cooking Egg



B) Burning Wood



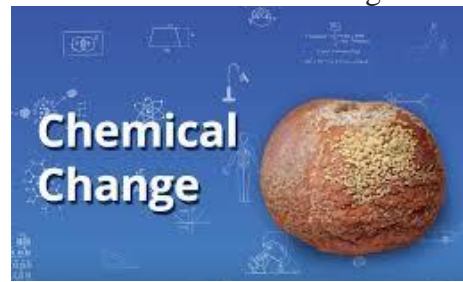
C) Broken Pencil



D) Roasting Iron



5. Which is a chemical change?



- A) freezing fruit juice
- B) slicing a potato
- C) boiling water
- D) copper metal turning green

6. What pH range would you get for an Acid?



- A) 0 – 6
- B) 7
- C) 7 – 14
- D) 2 - 10

7. Maya has an unknown substance in a beaker. She wants to determine the relative pH of the unknown substance. She places a piece of blue litmus paper into the substance, and the litmus paper stays blue. The substance in the beaker



- A) is a base.
- B) has a neutral pH.
- C) is an acid.
- D) does not have a pH.

8. Given below are some adaptive features of animals.

- (i) Layer of fat under the skin
- (ii) Long, curved and sharp claws
- (iii) Slippery body
- (iv) Thick white fur

Which of them are the adaptive features of a polar bear?



- A)(i) only
- B)(i) and (ii) only
- C)(i), (ii) and (iii) only
- D)(i), (ii) and (iv)

9. I am an animal that lives in the arctic. I have adaptations that allow me to survive in my environment. Which of the following is an adaptation that will allow me to survive the arctic?



- A)thick white fur
- B)speed
- C)digging in the ground
- D)short, fluffy tail

10. What is happening in this picture?



- A)It is Cyclone
- B)It is a Tornado
- C)It is a Typhoon
- D)It is a Hurricane

11. Which part of the earth gets the maximum amount of sunlight?



- A)North Pole
- B)South Pole
- C)Equator
- D)Tropics

12. What is the formula of glucose?



- A) $C_{12}H_6O_{12}$
- B) $C_6H_2O_{12}$
- C) $C_6H_{12}O_6$
- D)None of the above

13. How do the human muscles cells generate energy when there is lack of oxygen



- A)Lactic acid + Water + Carbon dioxide + Energy
- B)Lactic acid + Energy
- C)Energy + Carbon dioxide
- D)Carbon dioxide + Water + Energy

14. What is the circular plate with a triangular metallic plate called?



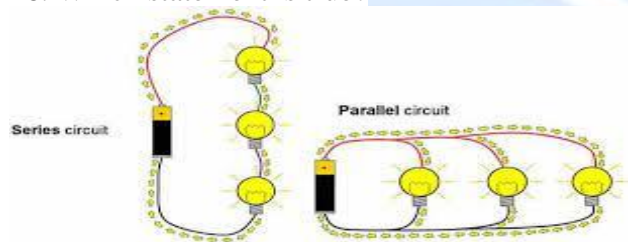
- A) Sundail
- B) Gnomon
- C) Time period
- D) Hourglass

15. Which of the following is used to measure the distance traveled by a vehicle?



- A) Speedometer
- B) hydrometer
- C) odometer
- D) manometer

16. Which statement is true?



- A) Lights in the series circuit are brighter than the parallel.
- B) Lights in the parallel circuit are brighter than the series.
- C) Both circuits have the same brightness
- D) Neither circuit will light the bulbs

17. If the girl walks towards the torch, what will happen to her shadow?



- A) It will stay the same
- B) It will get bigger
- C) It will turn upside down
- D) It will get smaller

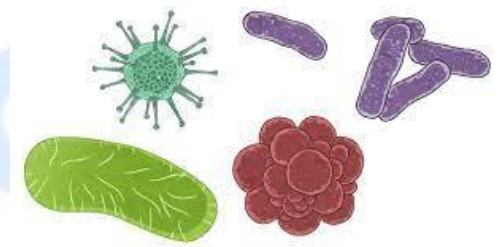
18. Arrange the following agricultural practices in the order in which they are followed.

1. Harvesting
2. Sowing
3. Storage
4. Irrigation
5. Preparation of soil



- A) 5→2→4→1→3
- B) 2→1→3→5→4
- C) 1→2→3→4→5
- D) 5→3→4→1→2

19. Bacteria is known as _____ in an ecosystem when feeding on dead organisms.



- A) Decomposers
- B) Herbivore
- C) Pathogens
- D) Infections

20. Which of the following is a renewable natural resource?

A)



B)



C)



D)



21. We should exercise _____ minutes each day to be healthy.(write answer only with numbers)



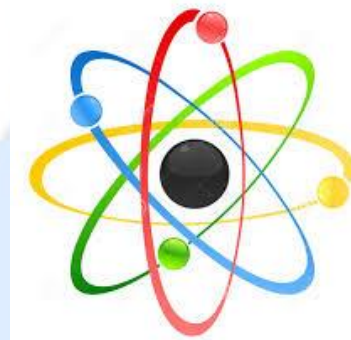
22. The growing of more and more plants is called



23. What is the unit that measures force?



24. Atom is made up of electron, proton and



25. What planet is it?

