



EBHS KIKHANZA HOMESCHOOLING BOGOR

"More Knowledgeable, Creative, and Independent"

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Name : _____

Class : _____

Subject : Science

Teacher : _____

**Final EXAM – Even SEMESTER
SCIENCE
ACADEMIC YEAR 2024/2025
December, 2024**

A. Choose A, B, or C for the best answer.

1. The force that controls the motion of the solar system is called

- a. magnetism
- b. gravity
- c. friction

2. What is the most massive object in our Solar System?

- a. the asteroid belt
- b. the sun
- c. all the planets combined

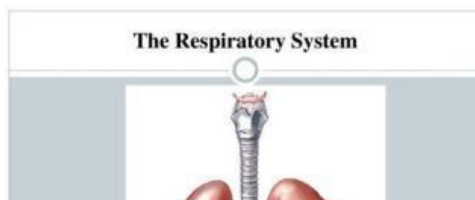
3. What is the force of attraction that pulls objects towards each other?

- a. resistance
- b. a push
- c. gravity

4. When you are swinging, what causes the swing to eventually stop?

- a. the resistance of the air
- b. the gravitational pull of the Sun
- c. the gravitational pull of the Earth

5.



What is the main function of the respiratory system?

- c. to remove oxygen from the body and deliver carbon dioxide
- b. to break down food and absorb nutrients

- c. to bring oxygen to the body
6. Which systems transports blood throughout the body?
a. Digestive b. Circulatory c. Respiratory
7. Which system with the heart, arteries and veins apart of?
a. Respiratory b. Immune c. Circulatory
8. Which word is used to describe the biological mechanism that leads to a disease state?
a. pathophysiology
b. pathogenesis
c. pathogen
9. Where the signs and symptoms of disease occur suddenly and last for a relatively short period of time, the disease is said to be _____.
a. chronic
b. acute-on-chronic
c. acute
10. Acquired immune deficiency syndrome (AIDS) is an example of what type of disease?
a. acute
b. acute-on-chronic
c. chronic
11. What does the term 'aetiology' mean?
a. cause of disease
b. incidence and distribution of disease
c. the development process of disease
12. A disease that is transmitted from another source is known as _____.
a. non-communicable
b. communicable

c. congenital

13. Which type of disease is said to be caused by 'risk factors'?

a. non-communicable

b. communicable

c. congenital

d. zoonosis

14. A disease occurring at birth is known as _____.

a. acquired

b. zoonotic

c. congenital

d. environmental

15. A disease that has been transmitted from an animal to a human is known as _____.

a. environmental

b. acquired

c. zoonotic

16. The 'flight or fight' response is an example of short-acting or acute stress. What hormone is released by the adrenal medulla during the phase of stress?

a. cortisol

b. follicle-stimulating hormone

c. adrenaline

17. Size, shape, colour, and state of a substance are examples of _____ properties.

a.) chemical

b.) physical

c.) electrical

18. A physical change is generally _____.

a.) reversible

b.) irreversible

c.) both reversible and irreversible

19. During a physical change, a substance undergoes a change in its _____.

a.) physical properties

b.) chemical properties

c.) both (a) and (b)

20. Which of the following is not an example of physical change?

a. evaporation

b. condensation

c. rusting

B. Answer the following questions.

1. What changes happen in Physical Change ?!

2. Describe signs and symptoms that are used to help diagnose disease?!

3. Describe and explain what is gravity!

4. How do lungs work in respiratory and circulatory system?!

5. What is heat energy?
