

**Al Erteqaa School, Cycle 2**  
**Trimester 2- Science Revision**  
**Grade 7- General**

**Total marks: 100. (Each question carries 5 marks)**

1. On cold days, snakes usually lie very still and eat little or nothing, while birds usually move around and eat a lot of food. Which statement best explains this?  
A) Both animals are cold-blooded, but without feathers to keep warm snakes get too cold to move.  
B) Unlike birds, snakes are warm-blooded; they must hibernate during cold weather.  
C) Unlike snakes, birds are cold-blooded; they are less affected by the cold than snakes  
D) Unlike snakes, birds are warm-blooded; they must eat food to maintain a constant temperature.
  2. What features do all insects have?  
A) 2 legs and 4 body parts  
B) 4 legs and 2 body parts  
C) 6 legs and 3 body parts  
D) 8 legs and 3 body parts
  3. The figure above shows waves generated on a rope. Which type of waves are shown in the figure?  
A) Combination  
B) Electromagnetic  
C) Longitudinal  
D) Mechanic
- 
4. Wood is opaque. Which describes how light waves can interact with wood?  
A) absorption and reflection  
B) diffraction and transmission  
C) reflection and refraction  
D) transmission and refraction
  5. Which is true of invertebrates?  
A) They have no backbones.  
B) They have no muscle tissue.  
C) They have no nervous tissue.  
D) They have no skeletons
  6. Which is NOT a typical chordate characteristic?  
A) nerve cord  
B) notochord  
C) scales  
D) tail

7. Which are the reproductive cells that form in female animals?

- A) Eggs
- B) Sperm
- C) Ovaries
- D) Testes

8. Which type of behavior is shown in the figure below?

- A) Aggression
- B) courtship
- C) migration
- D) submission



9. What is the length of time between fertilization and birth called?

- A) external development
- B) gestation period
- C) metamorphosis
- D) zygote

10. Which is true of external fertilization?

- A) It happens outside the female body.
- B) It involves a small number of eggs.
- C) It occurs only in the spring months.
- D) It requires extended parental care

11. Which is the result of fertilization?

- A) Egg
- B) Embryo
- C) Sperm
- D) Zygote

12. Which is NOT a product of cellular respiration?


- A) Energy
- B) Glucose
- C) Oxygen
- D) Water

13. Which is true of photosynthesis and cellular respiration?

- A) They both occur in plants.
- B) They both occur in animals.
- C) They both produce sugars.
- D) They both require sunlight.

14. What do angiosperms produce?

- A) Cones
- B) Flowers
- C) Needles
- D) Rhizoids

15. Which eye part responds to colored light?
- A) Cones
  - B) cornea
  - C) iris
  - D) lens
16. Which property of a sound wave describes the amount of energy that passes through a square meter of space each second?
- A) Amplitude
  - B) frequency
  - C) intensity
  - D) wavelength
17. Wave frequency is measured in
- A) decibels.
  - B) hertz.
  - C) meters.
  - D) Seconds
18. Which of the following rays does this machine uses to scan your luggage at an airport?
- A) U V Rays
  - B) X rays
  - C) Gamma Rays
  - D) Visible rays
- 
19. Which form of communication includes pheromones?
- A) Chemicals
  - B) Light
  - C) body language
  - D) facial expressions
20. Which of the following is NOT a learned behavior?
- A) Trial and error
  - B) Conditioning
  - C) Imprinting
  - D) Migration

\*\*\*\*\*END OF EXAM\*\*\*\*\*