

December test

Choose the correct answer :

1) The layer that absorbs short-wavelength ultraviolet (UV) radiation is layer.

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|-------------|-----------------|
| a) Argon | <u>b) Ozone</u> |
| c) Nitrogen | d) Oxygen |

2) The temperature remains relatively constant in the lower stratosphere until around km.

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|-------|--------------|
| a) 10 | <u>b) 20</u> |
| b) 50 | d) 40 |

3) The ozone layer extends approximately from km up to Km, above the Earth's surface.

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|-----------------|----------|
| <u>a) 20-50</u> | b) 10-40 |
| b) 20-40 | d) 20-60 |

4) The temperature at the Mesosphere layer drops to

a) -90c

b) -93c

c) -39c

d) -50c

5) The mesosphere plays a vital role in protecting life on Earth from

a) UV radiation.

b) meteors.

c) high temperature.

d) Comets.

6) The atmosphere layer that extends from 80km to about 550 km above the Earth surface.

a) Ionosphere.

b) Mesosphere.

c) Troposphere

. d) Stratosphere.

7) The ionosphere is also responsible for the phenomenon known as the...

a) aurora.

b) greenhouse effect.

c) pressure.

d) volcanic eruption.

8) the absorption of rays by eye lens accelerate the development of cataract

A) Xray

b) gamma ray

c) U-V ray

d) radio waves

9) Which of the following is considered from the effects of UV rays on the human skin?

- a) increase the rate of skin cancer.
- b) DNA damage in skin cells.
- c) increase the genetic mutation.
- d) all the previous.

10) From the actions that should be followed to reduce the ozone layer depletion are

- a) using chlorine and bromine compounds in cleaning products.
- b) avoid using (CFCs) compounds in cooling systems.
- c) using fire extinguishers contains halons gas.
- d) (a) and (c).

11) Smog is formed as a result of the accumulation of products from all the following reactions except

- A) the reaction of nitrogen and atmospheric oxygen during lightning.
- b) the reaction of oxygen with sulfur under suitable conditions.
- c) the reaction of hydrogen with oxygen under suitable conditions

d) the reaction of nitrogen oxides with hydrocarbons in the presence of sunlight.

12) An ozone molecule is formed by the combination of

- a) two oxygen molecules (O_2)
- b) two individual oxygen atoms (O)
- c) three individual oxygen atoms (O)
- d) one individual oxygen atom (O) and one oxygen molecule (O_2)

13) The freezing point of pure water equals

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|----------------|-----------|
| A) 0 K | b) 0 F |
| <u>C) 32 F</u> | D) -273 K |

14) All the following are affected by heat energy except

- A) atmospheric pressure
- B) Atmospheric structure
- C) Atmospheric humidity
- D) Wind blowing

15) The Egyptian temperature scale is

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|---------------|---------------------|
| A) Kelvin | <u>b) Celsius</u> |
| B) Fahrenheit | d) all the previous |

16) What is the fundamental advantage for birds that use thermal flight ?

A) Saving energy

B) Constantly flap their wings

C) Better communication with other bird

D) Floating over rising cold air currents by convection

17) ice fish is one of the rare species whose blood contain hemoglobin . therefor it

A) absorb oxygen directky from air

B) Absorb oxygen directly from water

C) Secrete antifreezes protein

D) Secrete antifreeze glucose

18) Heat transfer in the form of electromagntic waves is

A) conduction

B) convection

C) Radiation

D) All the previous

19) by increasing the relative humidity in the atmospheric air around plants . the rate of transpiration

A) increases

b) decreases

B) Unchanged

d)suddenly stops

20) the human body maintains certain propotion of water and salts within it in a process known as

A) Osmoregulation

B) Hibernation

C) Water pollution

D) calcification