

Azaan International School

WORKSHEET-2 (2022-23)

Name: _____

Subject: Science

Grade: VII__

Ch. - Winds, Storms and Cyclones

I. Multiple choice questions :

1. A fire alarm usually detects smoke in case of fire. Where should such an alarm be placed in a room? ()
(a) Near the door (b) On the floor (c) On any wall (d) On the ceiling
2. Which of the following place is most likely to be affected by a cyclone? ()
(a) Mumbai (b) Puri (c) Goa (d) Porbandar
3. Which of these best describes a tornado? ()
(a) Strong thunderstorm
(b) The eye of a cyclone
(c) Rotating funnel of high speed with 10-15 km across
(d) Rotating funnel of high speed with 10-200 m across
4. During an impending storm, a person is advised to take shelter in a room situated deep inside the house having no windows or in the basement. This storm is most likely to be a: ()
(a) Hurricane (b). Thunderstorm (c)Tornado (d) Typhoon
5. Which of the following factor does not contribute to the development of a thunderstorm?()
(a) Temperature (b) Wind Speed (c) Humidity (d) Rotation of the earth
6. Which of the following process provides energy required to form and sustain a cyclone?()
(a) Condensation of water vapour (b) Vaporization of water
(c).Kinetic energy of blowing wind (d) Fast moving sea waves
7. Which of the following is not a characteristic of a thunderstorm? ()
(a) Spark of light in atmosphere (b) Rapidly rotating winds
(c) Loud noise (d) Heavy rains or hail
8. Cyclones cause widespread destruction and loss of life in coastal areas: ()
(a) By producing extremely high-speed winds
(b) By lifting the sea-water several meters high
(c) By bringing torrential rains.
(d) All the above.

9. Wind is always associated with ()
- (a) Kinetic energy (b) Chemical energy
(c) Potential energy (d) Gravitational energy
10. Which of the following precautions to be taken during a thunderstorm? ()
- (a) We should sit near window during lightning.
(b) Open garages, storage sheds are safe place to take shelter during lightning.
(c) We should take shelter under an isolated and tall tree.
(d) A car or a bus is a safe place to take shelter during lightning
11. Which of the following region is more vulnerable to cyclonic storms? ()
- (a) Northern Hills of India (b) Western deserts of India
(c) East Coast of India (d) West Coast of India
12. During a wind storm, when high speed winds blow over the tin roofs of the house, the tin roofs get lifted and blown away. This happens because: ()
- (a) High speed winds reduce air pressure over the tin roofs and high-speed winds increase air pressure over the tin roofs.
(b) High speed winds increase air pressure over the tin roofs and high-speed winds do not change air pressure over the tin roofs
(c) High speed winds reduce air pressure over the tin roofs and higher air pressure acts from below the tin roofs.
(d) Higher air pressure acts from the sides of the tin roofs.
13. Formation of a cyclone can be explained as: ()
- (a) Warm and moist air rises up very rapidly from the hot sea surface.
(b) Warm air rises higher into the atmosphere causing a low pressure.
(c) The constant rotation of its axis exerts a force on the rapidly rising column of air or winds.
(d) All the above.
14. Safety measures should be taken by the government for the people living in cyclone prone coastal areas are: ()
- (a) Cyclones shelters should be constructed in cyclone prone coastal areas
(b) An efficient cyclone forecast and warning service is essential to prevent cyclone related disasters
(c) Government vehicles should be kept ready to evacuate people from their home.
(d) All the above.

- 15.** Which modern technologies have made easier to monitor cyclones? ()
- (a) Radar and Satellites (b) Anemometer
(c) Radio and Television (d) Television and Satellite
- 16.** What is the name given to cyclone in Philippines and Japan? ()
- (a) Tornado (b) Hurricane (c) Typhoon (d) Floods
- 17.** Development and movement of cyclones are studied by the ()
- (a) Indian Postal Department.
(b) Indian Forensic Department.
(c) Indian Meteorological Department.
(d) Central Investigation Department.
- 18.** Which of the statements given below is correct? ()
- (a) In winter the winds flow from the land to the ocean.
(b) In summer the winds flow from the land towards the ocean
(c) A cyclone is formed by a very high pressure system with vary high speed winds revolving around it.
(d) The coastline of India is not vulnerable to cyclones.
- 19.** How many hours in advance cyclone chart are made? ()
- (a) 20 hrs in advance (b) 12 hrs in advance (c) 24 hrs in advance (d) none of these
- 20.** Wind currents are generated due to ()
- (a) uneven heating of the earth (b) even heating of the earth
(c) cooling of the earth (d) none of these