



sns academy

**an International CBSE Finger Print School
Coimbatore**



Name :

Date :

Grade :

Worksheet

Submission Date :

Subject : Chemistry

Parent's sign :

Wind and Storm

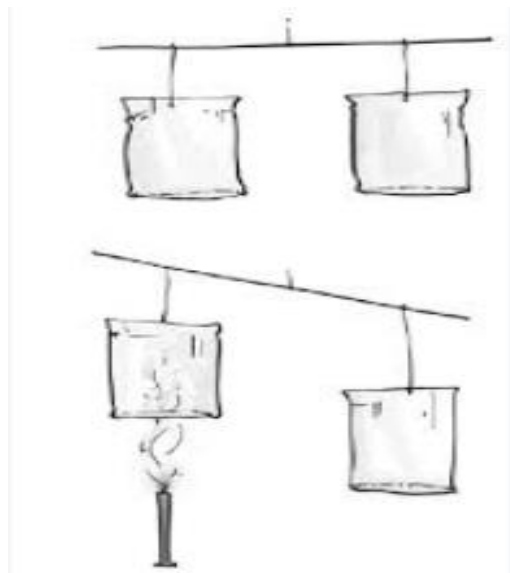
1. With increase in temperature, air _____
(a) expands
(b) compresses
(c) first expands and then compresses
(d) first compresses and then expands
2. A balloon fixed at the open end of a test tube containing boiling water expands because
(a) air expands on heating
(b) air compresses on heating
(c) of atmospheric pressure
(d) none of the above
3. Eye of a cyclone is a _____
(a) low pressure area
(b) high pressure area
(c) moderate pressure area
(d) all of the above
4. Thunderstorms develop frequently in _____
(a) tropical areas
(b) temperate areas
(c) polar regions
(d) all the above
5. Which one of the following place is likely to be affected by a cyclone?
(a) Puri (b) Srinagar (c) Delhi (d) Bhopal
6. When wind blows at high speed, the roofs of buildings rise up and is blown away. This is because
(a) high speed wind creates high pressure area above the roof
(b) high speed wind creates low pressure area below the roof

- (c) high speed wind creates low pressure area above the roof
- (d) both (a) and (b)

7. A paper strip held between two fingers moves upward on blowing air over it because

- (a) air pressure above the strip increases
- (b) air pressure above the strip decreases
- (c) air pressure above the strip becomes zero
- (d) air pressure below the strip becomes zero

8. Observe the given figure. What do you infer from this?



- (a) Warm air rises up
- (b) High speed wind reduces air pressure
- (c) Air expands on heating
- (d) Atmospheric pressure increases with a decrease in temperature

9. What would be the most appropriate action to take if a tornado warning is issued in your area?

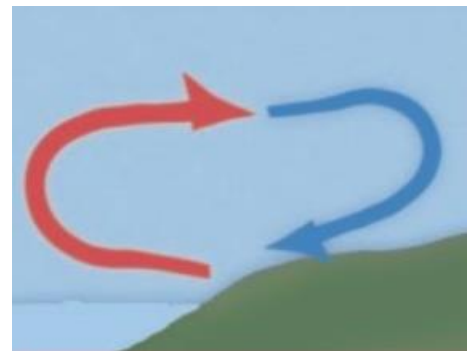
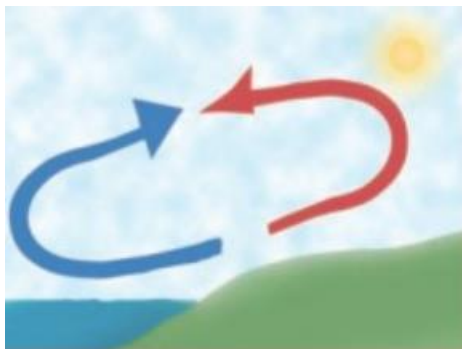
- (a) Go for a walk to observe the storm closely
- (b) Stay in a tall building with large windows
- (c) Seek shelter in a basement or interior room
- (d) Drive away from the storm's path

10. A fire alarm usually detects smoke in case of fire. Where should such an alarm be placed in a room?

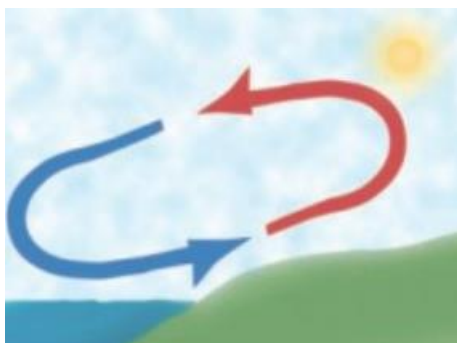
- (a) Near the door
- (b) On the floor
- (c) On any wall
- (d) On the ceiling

11. Four schematic diagrams are shown in the figure to depict the direction of sea breeze. Which of them gives the correct direction?

- (a)
- (b)



- (c)
- (d)



12. A curtain is hanging at the entrance of a room. A long corridor runs at right angles to the door, that is parallel to the curtain. If a strong wind blows along the corridor, the curtain will

- (a) get pushed inside the room.
- (b) get pushed outside the room.
- (c) get collected towards one end/swirled.
- (d) remain unaffected.