



PHYSICS

BOOKS - BEITIANS

WIND, STROM AND CYCLONES

Formative Worksheet

1. Statement-I: Air opposes the motion of a moving object.

Statement-II: This is called air resistance.

A. Statement I is correct, Statement II is incorrect.

B. Statement II is correct, Statement I is incorrect.

C. Both statements are correct.

D. Both statements are incorrect.

Answer:



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Conceptive Worksheet

1. The instrument used to measure the speed of wind is

A. Thermometer

B. Barometer

C. Anemometer

D. Manometer

Answer:



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2. What happens to air upon heating?

A. expands

B. contracts

C. No change

D. expands, then contracts

Answer:



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3. What happens to air upon cooling ?

A. expands

B. contracts

C. No change

D. expands, then contracts

Answer:



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4. Assertion (A): Stretch a balloon across the mouth of a milk bottle and seal it with tape. Now place the bottle in the pan with cold water. The balloon deflates and shrinks.

Reason (R): This is because the air inside the bottle gets cooled and so contracts.

A. Both A and R are TRUE, R is the correct explanation of A.

B. Both A and R are TRUE, R is NOT the correct explanation of A.

C. A is TRUE and Statement-R is FALSE

D. A is FALSE and R is TRUE.

Answer:



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5. are formed due to uneven heating of land and water in coastal areas.

A. Earthquakes

B. Cyclones

C. Winds

D. Tsunamis

Answer:



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6. Earth rotates on its axis from to

A. North, South

B. East, West

C. South, North

D. West, East

Answer:



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7. Assertion (A): It is difficult to force the paper ball into the bottle.

Reason (R): The air pressure inside the bottle is higher than near the mouth. The air inside the bottle pushes the ball out.

A. Both A and R are TRUE, R is the correct explanation of A.

B. Both A and R are TRUE, R is NOT the correct explanation of A.

C. A is TRUE and Statement-R is FALSE

D. A is FALSE and R is TRUE.

Answer:



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8. The convection of air in hot and humid areas results in

A. Thunderstorm

B. Wind

C. Rain

D. none

Answer:



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9. A violently rotating windstorm is a

A. Thunderstorm

B. Wind

C. Cyclone

D. Earthquake

Answer:



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10. Which of the following is more dangerous?

A. Wind

B. Rain

C. Cyclone

D. Tornado

Answer:



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11. A high wall of water moving towards the shore from the ocean is called a

A. Storm tide

B. Storm surge

C. Water tide

D. Air surge

Answer:



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**Summative Worksheet Iii Very Short Answer
Questions**

1. You see that leaves of trees, banners or flags flutter when the wind is blowing. Why is it so?



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lit Jee Worksheet li Multiple Correct Answer Type

1. The air inside a balloon exerts pressure in direction.

A. upward

B. downward

C. left side

D. right side

Answer:



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