NOVA SCOTIA SCIENCE 10 · UNIT D

Weather Dynamics — Practice Test

Nova Scotia Science 10 • 25 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The term for the lowest layer of the atmosphere where weather happens is**

- A Air pressure
- B The troposphere
- C A low pressure system
- D A warm front

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2 **The troposphere means**

A the force of air pushing on a surface

B the lowest layer of the atmosphere where weather happens

C rising air that often brings cloud and precipitation

D the boundary where warm air rises over cold air

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3 **The term for the layer above the troposphere that holds the ozone layer is**

A A high pressure system

B A cold front

C The stratosphere

D Humidity

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4 **The stratosphere means**

A sinking air that often brings clear skies

B the boundary where cold air pushes under warm air

C the amount of water vapour in the air

D the layer above the troposphere that holds the ozone layer

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5 **The term for the force of air pushing on a surface is**

A Air pressure

B A low pressure system

C A warm front

D Precipitation

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6 **Air pressure means**

A rising air that often brings cloud and precipitation

B the force of air pushing on a surface

C the boundary where warm air rises over cold air

D water that falls from clouds as rain snow sleet or hail

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7 **The term for sinking air that often brings clear skies is**

A A cold front

B Humidity

C A high pressure system

D The water cycle

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8 **A high pressure system means**

- A the boundary where cold air pushes under warm air
- B the amount of water vapour in the air
- C the movement of water between Earth and air through evaporation condensation and precipitation
- D sinking air that often brings clear skies

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9 **The term for rising air that often brings cloud and precipitation is**

- A A low pressure system
- B A warm front
- C Precipitation
- D Evaporation

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10 **A low pressure system means**

A the boundary where warm air rises over cold air

B rising air that often brings cloud and precipitation

C water that falls from clouds as rain snow sleet or hail

D the change of liquid water into water vapour

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11 **The term for the boundary where cold air pushes under warm air is**

A Humidity

B The water cycle

C A cold front

D Condensation

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12 **A cold front means**

A the amount of water vapour in the air

B the movement of water between Earth and air through evaporation condensation and precipitation

C the change of water vapour into liquid droplets

D the boundary where cold air pushes under warm air

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13 **The term for the boundary where warm air rises over cold air is**

A A warm front

B Precipitation

C Evaporation

D The Coriolis effect

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14 **A warm front means**

A water that falls from clouds as rain snow sleet or hail

B the boundary where warm air rises over cold air

C the change of liquid water into water vapour

D the turning of moving air caused by Earth rotation

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15 **The term for the amount of water vapour in the air is**

A The water cycle

B Condensation

C Humidity

D A sea breeze

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16 **Humidity means**

A the movement of water between Earth and air through evaporation condensation and precipitation

B the change of water vapour into liquid droplets

C wind that blows from sea to land during the day

D the amount of water vapour in the air

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17 **The term for water that falls from clouds as rain snow sleet or hail is**

A Precipitation

B Evaporation

C The Coriolis effect

D A land breeze

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18 **Precipitation means**

A the change of liquid water into water vapour

B water that falls from clouds as rain snow sleet or hail

C the turning of moving air caused by Earth rotation

D wind that blows from land to sea at night

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19 **The term for the movement of water between Earth and air through evaporation condensation and precipitation is**

A Condensation

B A sea breeze

C The water cycle

D The greenhouse effect

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20 **The water cycle means**

- A the change of water vapour into liquid droplets
- B wind that blows from sea to land during the day
- C the trapping of heat by gases in the atmosphere
- D the movement of water between Earth and air through evaporation condensation and precipitation

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21 **The term for the change of liquid water into water vapour is**

- A Evaporation
- B The Coriolis effect
- C A land breeze
- D An isobar

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22 **Evaporation means**

A the turning of moving air caused by Earth rotation

B the change of liquid water into water vapour

C wind that blows from land to sea at night

D a line on a weather map joining places of equal air pressure

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23 **The term for the change of water vapour into liquid droplets is**

A A sea breeze

B The greenhouse effect

C Condensation

D A cumulonimbus cloud

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24 **Condensation means**

- A wind that blows from sea to land during the day
- B the trapping of heat by gases in the atmosphere
- C a tall storm cloud that can bring thunder and heavy rain
- D the change of water vapour into liquid droplets

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25 **The term for the turning of moving air caused by Earth rotation is**

- A The Coriolis effect
- B A land breeze
- C An isobar
- D Fog

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ANSWER KEY

1. B
2. B
3. C
4. D
5. A
6. B
7. C
8. D
9. A
10. B
11. C
12. D
13. A
14. B
15. C
16. D
17. A
18. B
19. C
20. D
21. A
22. B
23. C
24. D
25. A

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