



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 This gas is **colorless and odorless**. It is the gas we breathe out and the gas that plants take in. It is released into the air when coal, oil, and other natural gases are burned.  
**Which gas is being described here?**

- A nitrogen
- B oxygen
- C carbon dioxide
- D carbon monoxide



2 The **Air Quality Index (AQI)**, developed by the EPA, is used as a yardstick to report air quality in your area and its effects to your health. **People with breathing problems should stay indoors if the AQI is \_\_\_\_\_.**

- A 101 and above
- B 51 and below
- C 0-50
- D 51-100

| Air Quality Index |                                |
|-------------------|--------------------------------|
| 201 - 300         | very unhealthy                 |
| 151 - 200         | unhealthy                      |
| 101 - 150         | unhealthy for sensitive groups |
| 51 - 100          | moderate                       |
| 0 - 50            | good                           |

3 For the air quality to be considered **good**, what ranking on the **Air Quality Index** would the air have?

- A 0-50
- B 51-100
- C 101-150

| Air Quality Index |                                |
|-------------------|--------------------------------|
| 201 - 300         | very unhealthy                 |
| 151 - 200         | unhealthy                      |
| 101 - 150         | unhealthy for sensitive groups |

4 Which is the **most unhealthy** ranking on the Air Quality Index?

- A 201-300
- B 51-100
- C 0-50
- D 151-200

| Air Quality Index |                                |
|-------------------|--------------------------------|
| 201 - 300         | very unhealthy                 |
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## PREVIEW

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7  
A pH balance  
B salinity  
C chlorine content

- A where rivers and oceans meet
- B at the bottom of the ocean
- C near beaches
- D in cold ocean water

9 What is the **main energy supply** for Earth's **water cycle**?

- A wind
- B the Sun
- C rain
- D the atmosphere



10 A **liquid changes into a gas** through \_\_\_\_\_. When the Sun warms the water on Earth, some of that water changes into **vapor**, which goes into the air.

- A condensation
- B evaporation
- C precipitation
- D transpiration





## ANSWER KEY

This gas is **colorless and odorless**. It is the gas we breathe out and the gas that plants take in. It is released into the air when coal, oil, and other natural gases are burned.

Which **gas** is being described here?

- A nitrogen
- B oxygen
- C carbon dioxide
- D carbon monoxide



(C)

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(a)

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(a)

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- B 51-100
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(a)



## PREVIEW

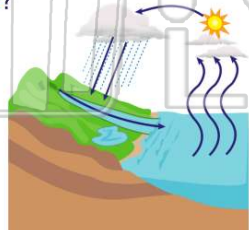
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- C salinity
- D chlorine content



What is the **main energy supply** for Earth's **water cycle**?

- A wind
- B the Sun
- C rain
- D the atmosphere

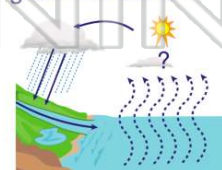


(b)

- A where rivers and oceans meet
- B at the bottom of the ocean
- C near beaches
- D in cold ocean water

A **liquid changes into a gas** through \_\_\_\_\_. When the Sun warms the water on Earth, some of that water changes into **vapor**, which goes into the air.

- A condensation
- B evaporation
- C precipitation
- D transpiration



(b)