



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

1 The **type of precipitation** that falls to earth's surface **depends** on \_\_\_\_\_.

**A** the type of cloud it comes from  
**B** temperature  
**C** air pressure  
**D** wind speed



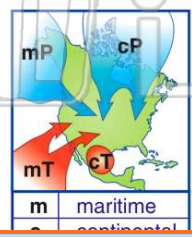
2 Changes in the weather of any region are the result of the interaction of **air masses**. An air mass is a large body of air with both **similar temperature** and **similar moisture** throughout the air body. **True or false?**



**A** true  
**B** false

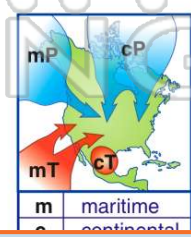
3 Which of the following air masses would be **warm** and **wet**?

**A** continental polar  
**B** continental tropical  
**C** maritime polar  
**D** maritime tropical



4 The weather in **California** would be influenced most by which air mass?

**A** continental polar  
**B** continental tropical  
**C** maritime polar



## PREVIEW

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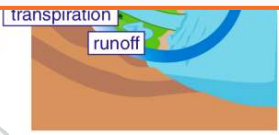
7

\_\_\_\_\_ called \_\_\_\_\_.

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

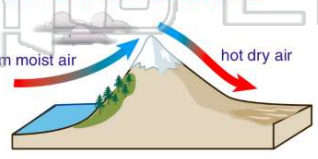


**A** condensation  
**B** transpiration  
**C** evaporation  
**D** precipitation



9 As weather systems move from **west to east** toward a mountain system, they ascend. **As they ascend**, they release their water as rain or snow. **Describe the climate on the eastern side of the mountains.**

**A** very wet  
**B** dry and arid  
**C** windy  
**D** tropical and humid



10 As warm, moist air rises to the west of a mountain range, significant rainfall causes green, well-watered land to develop, leaving the eastern side of the mountains dry and lightly-vegetated. **Geologists call this the \_\_\_\_\_.**

**A** rain shadow effect  
**B** mountain top effect  
**C** desert effect  
**D** water cycle effect





## ANSWER KEY

The **type of precipitation** that falls to earth's surface **depends on** \_\_\_\_\_.

- A** the type of cloud it comes from
- B** temperature
- C** air pressure
- D** wind speed



(b)

Changes in the weather of any region are the result of the interaction of **air masses**.

An air mass is a large body of air with both **similar temperature** and **similar moisture** throughout the air body.

**True or false?**

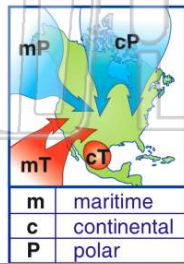
- A** true
- B** false



(a)

Which of the following air masses would be **warm** and **wet**?

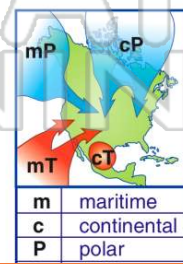
- A** continental polar
- B** continental tropical
- C** maritime polar
- D** maritime tropical



(d)

The weather in **California** would be influenced most by which air mass?

- A** continental polar
- B** continental tropical
- C** maritime polar
- D** maritime tropical



(d)



## PREVIEW

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

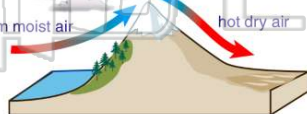


- B** transpiration
- C** evaporation
- D** precipitation



As weather systems move from **west to east** toward a mountain system, they ascend. **As they ascend**, they release their water as rain or snow. Describe the climate on the **eastern side of the mountains**.

- A** very wet
- B** dry and arid
- C** windy
- D** tropical and humid



(b)

As warm, moist air rises to the west of a mountain range, significant rainfall causes green, well-watered land to develop, leaving the eastern side of the mountains dry and lightly-vegetated. Geologists call this the \_\_\_\_\_.

- A** rain shadow effect
- B** mountain top effect
- C** desert effect
- D** water cycle effect



(a)