

**TEST NAME: Weather Final Assessment (COPY 2)**  
**TEST ID: 4572019**  
**GRADE: 05 - Fifth Grade**  
**SUBJECT: Life and Physical Sciences**  
**TEST CATEGORY: Shared Classroom Assessments**

**05/02/22, Weather Final Assessment (COPY 2)**

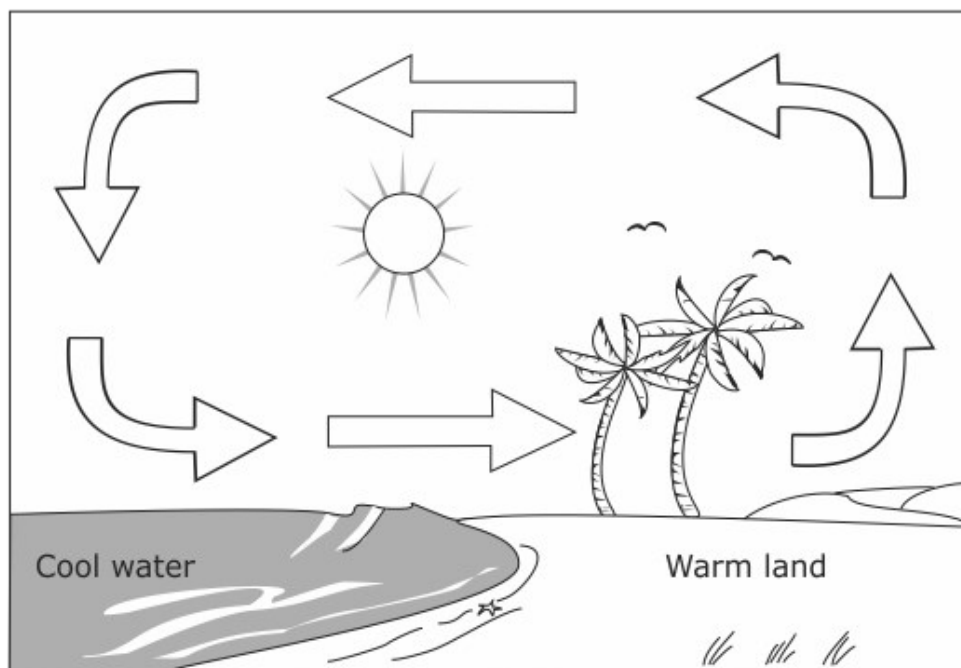
Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which **best** describes why winds at the beach change direction between day and night?
  - A. because the temperatures over land and over water change
  - B. because warm air over land sinks and stays in place over land
  - C. because cool air rises and is replaced by warm air from the ocean
  - D. because cool air sinks and stays in place over land
  
2. Michael observes the air pressure daily. Over the last couple of days the air pressure has been dropping. What weather will Michael **most likely** observe as a result?
  - A. increasingly clear skies and more wind
  - B. increasingly clear skies and dry weather
  - C. increasingly cloudy skies and possible storms
  
3. **Land heats up faster during the day than water does. As the beach gets warm during the day, it heats the air above it. The warm air rises and cool air from the ocean is pulled in to replace it. So, air flows from the ocean to the land. At night, the land cools faster than the ocean. What MOST likely happens to the air at the beach at night?**
  - A. The air is still.
  - B. The air moves along the coast.
  - C. The air flows from the ocean to the land.
  - D. The air flows from the land to the ocean.

4. The graphic below shows a common daily wind pattern.



Which term **best** describes the wind pattern in the graphic?

- A. land breeze
- B. sea breeze
- C. trade wind

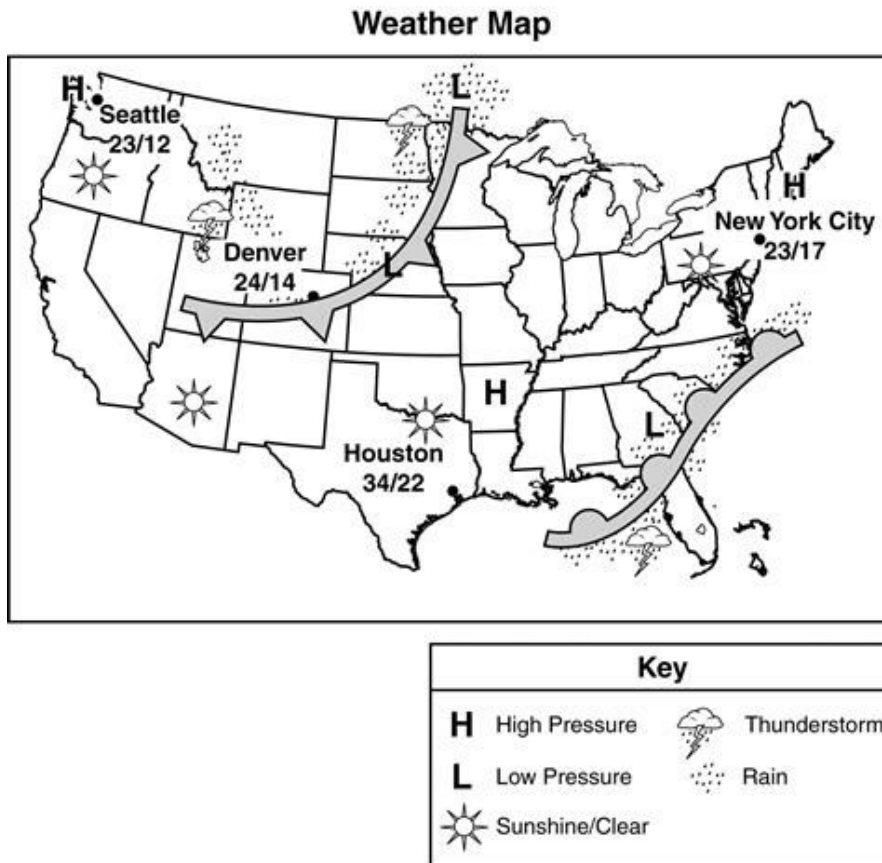
5. A cloud is shown beneath the bridge.



This form of water is called

- A. snow.
  - B. fog.
  - C. rain.
  - D. sleet.
6. **Barbara looked out her window on the day of the school picnic. She saw cirrus clouds in the sky. Which kind of weather should she expect for the picnic?**
- A. fair weather
  - B. warmer weather
  - C. light rain
  - D. thunderstorms
7. On a cold, cloudy day, the local weather forecaster predicts that a high-pressure system will be moving into the area in the next 24 hours. Which weather conditions will this system **most likely** bring to the area?
- A. stormy
  - B. sunny
  - C. snowy
  - D. hot

8. The map below is used to predict the weather.



Students in which city will MOST likely want to wear a raincoat the next day?

- A. Denver
  - B. Houston
  - C. New York City
  - D. Seattle
9. The morning temperature in a city is 41°F. If a sunny, mild day is forecast, which temperature is most likely for 2:00 p.m.?
- A. 32°F
  - B. 41°F
  - C. 67°F
  - D. 98°F

10. **Some weather conditions are shown.**

**Weather Conditions**

- Cold front moving in behind warm, moist air
- Heavy, constant winds
- Sudden hail
- Unstable atmosphere

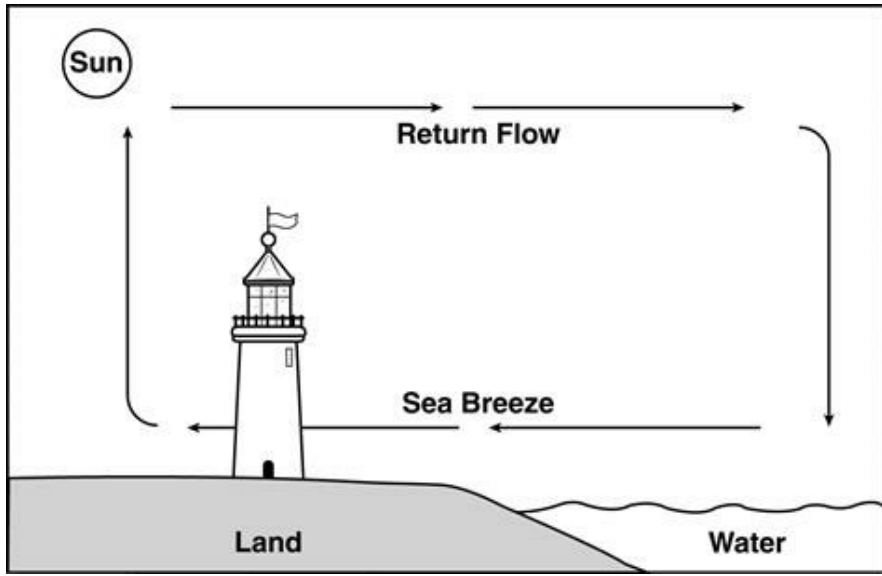
**Which type of severe event is MOST likely to occur during these weather conditions?**

- A. blizzard
- B. hurricane
- C. tornado
- D. drought

11. **Which of these actions causes wind?**

- A. rotation of Earth on its axis
- B. movement of air from water to land
- C. uneven heating of Earth's surface
- D. air passing Earth as it revolves around the Sun

12. The diagram shows the movement of air.



Which factor is MOST responsible for the movement of the air shown?

- A. uneven heating of the air
- B. imbalance in organisms breathing the air
- C. sunlight getting blocked by the land
- D. different levels of liquid in the air

13. Which polar jet stream path would bring unusually warm weather to the Great Lakes region in winter?

A.



B.



C.

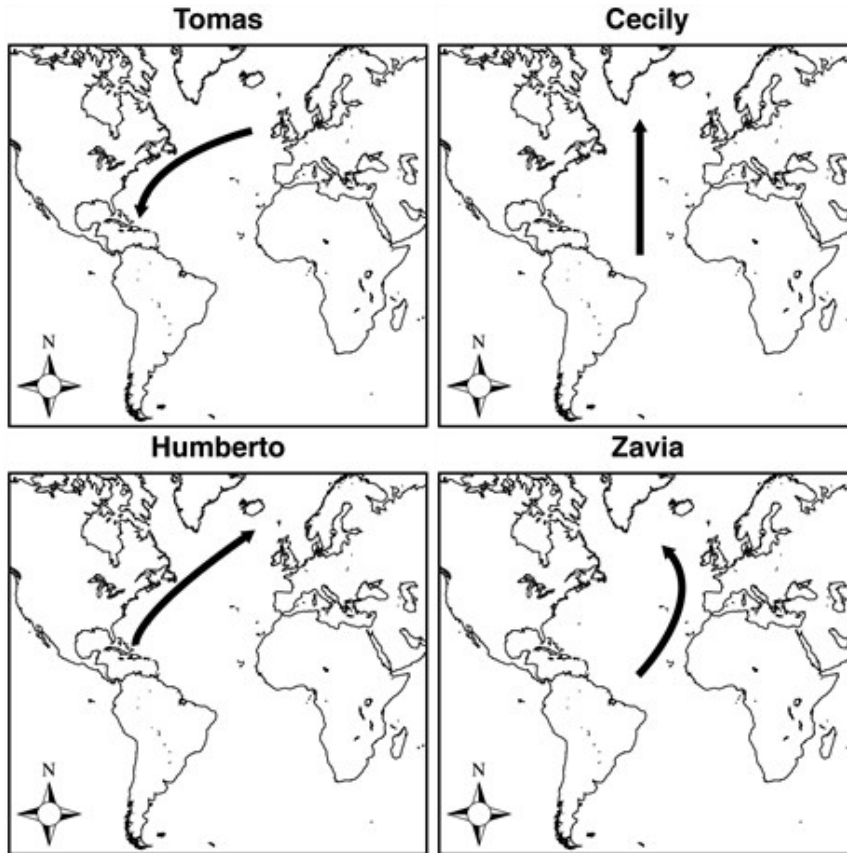


D.





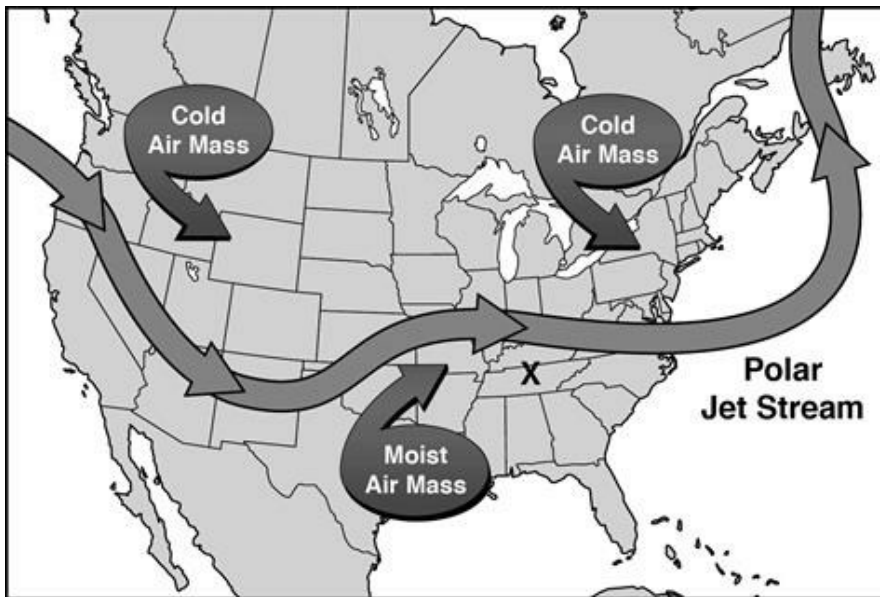
14. Mrs. Anderson gave her class a quiz about the Gulf Stream. The first question asked students to draw the path of the current. Four of the maps are below.



Which student drew the path correctly?

- A. Tomas
- B. Cecily
- C. Humberto
- D. Zavia

15. Study the map of the polar jet stream below.



What type of weather would MOST likely appear at the location marked X?

- A. cold and dry
- B. cold and wet
- C. warm and dry
- D. warm and wet

16. The polar jet stream is an air current that flows across North America. It flows much faster in winter than it does in summer. Why is it faster in the winter?

- A. Northern air has more oxygen in winter.
- B. Northern air is warmer in winter.
- C. Northern air is colder in winter.
- D. Northern air is drier in winter.

17. What do ocean currents carry that MOST affects climates?

- A. salt
- B. ships
- C. fish
- D. heat

18. Which MOST affects the path of a weather system in the United States?

- A. the width of the jet stream
- B. the speed of the jet stream
- C. the location of the jet stream
- D. the temperature of the jet stream

19. Alberta Clippers are fast-moving winter low-pressure systems.



**These systems start over the Canadian province of Alberta. The polar jet stream carries them across the United States. Alberta Clippers often bring very cold air and snow. Which of the following shapes the jet stream carrying these systems?**

- A. the temperature of Earth's surface
- B. the location of other pressure systems
- C. the path of the subtropical jet stream
- D. the direction of Earth's tilt from the Sun

20. **Which causes the subtropical jet stream to bring cold, wet winter weather to the southeastern United States?**

- A. El Niño
- B. La Niña
- C. Coriolis effect
- D. Santa Ana winds

21. **What must occur before clouds can form?**

- A. Water vapor must get warmer.
- B. Water vapor must lose heat energy.
- C. Precipitation must begin to fall and run off.
- D. Transpiration must add water vapor to the atmosphere.

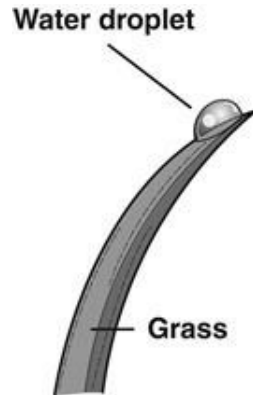
22. **The atmosphere of Earth blocks many of the Sun’s rays. If weather patterns change and more of the Sun’s rays penetrate the atmosphere of Earth, which is MOST likely to increase?**
- A. the number of daylight hours
  - B. the evaporation of oceans
  - C. the length of each season
  - D. the pull of gravity
23. **Which steps in the water cycle MOST directly cause floods?**
- A. precipitation and runoff
  - B. condensation and evaporation
  - C. runoff and condensation
  - D. evaporation and precipitation
24. **The diagram below shows a part of the water cycle.**



**Which of these goes in the box with the question mark?**

- A. rivers
- B. thunder
- C. hail
- D. wind

25. **When Maria went for a walk early in the morning, she noticed the ground was wet. It had not rained overnight, but there were water droplets on the grass.**



**What BEST explains why the water droplets formed on the grass?**

- A. Clouds formed.
  - B. The Sun went down.
  - C. Winds became stronger.
  - D. The air temperature became cooler.
26. **When a thin slice from an onion is viewed through a microscope, lots of little box-like shapes are seen. These shapes are MOST likely**
- A. atoms.
  - B. dust.
  - C. cells.
  - D. bubbles.
27. **Which of these is a structure that is present in all organisms?**
- A. a tissue
  - B. a cell
  - C. a stomach
  - D. a brain
28. **A unicellular organism is BEST described as being**
- A. a complex organism.
  - B. a microorganism.
  - C. an organism with specialized cells.
  - D. an organism with different types of tissues.

29. **A single-cell organism can do everything a cell from a multicellular organism can do EXCEPT**

- A. specialize.
- B. reproduce.
- C. use energy.
- D. make protein.

30. **Which of the following must get nutrients from a transport system?**

- A. amoeba
- B. euglena
- C. skin cell
- D. bacterial cell