

Below are twelve statements talking about weather or climate. Cut along the dotted lines and place each statement where it belongs.

## WEATHER

Short term view of what is happening in the atmosphere at a specific location.



## CLIMATE

Long term averages and trends of what happens in the atmosphere at a specific location



We sometimes get tornadoes in the Spring.

This place is paradise. It is always warm. I don't even own a snow coat!

The wind is blowing at 10 miles per hour

It was so cold this morning, the dog's water bowl froze.

We are expecting 3" of rain next week.

We get at least 10 feet of snow every winter.

We have snow tires in the garage because it always snows in winter.

The sun is shining, but it looks like it is going to rain later.

It seems to be always cloudy in winter here.

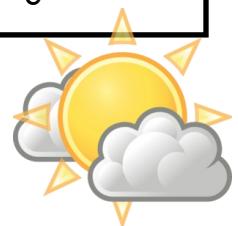
Summers here are very hot.

It hardly ever rains here.

It is 70 degrees today.

Read these stories about some places around the United States and the world on the next page. After reading each story, write down into which climate zone it belongs.

Climate Zone Reminders:



TROPICAL Climate Zone

- Warm in summer and winter
- Rains more than 59" each year

DRY Climate Zone

- Often surrounded by mountains
- Low humidity (moisture in air)
- Not very much rain

MILD TEMPERATE Climate Zone

- Warm summers
- Mild winters

CONTINENTAL Climate Zone

- Warm to cool summers
- Cold winters with snowstorms and strong winds
- Average high of summer is above 50 degrees Fahrenheit

POLAR Climate Zone

- Very cold, year round
- Average high of summer is below 50 degrees Fahrenheit

HIGHLAND Climate Zone

- Steep elevation changes
- Fast climate change as elevation changes





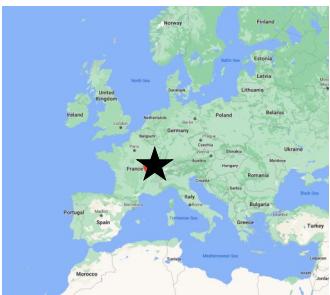
Belem, Brazil - Climate Zone: \_\_\_\_\_

About 100 inches of rain fall each year in Belem, Brazil. It rains all year long and does not have a dry season. It is very humid throughout the year. The average high in summer is 89 degrees Fahrenheit, and the average low in winter is 75 degrees Fahrenheit.



Resolute, Nunavut, Canada - Climate Zone: \_\_\_\_\_

Resolute only receives about 6 inches of rainfall each year, but it gets plenty of snow! Around 40 inches of snow falls every year. The average high during summer is 40 degrees, and the average low during winter is -30 degrees Fahrenheit. That is 62 degrees below freezing!



Lyon, France - Climate Zone: \_\_\_\_\_

About 35 inches of rain fall each year in Lyon, France. The average high in summer is 75 degrees Fahrenheit, and the average low in winter is 34 degrees Fahrenheit.



Phoenix, Arizona, USA - Climate Zone: \_\_\_\_\_

Only about 9 inches of rain fall in Phoenix every year. The average high during summer is above 90 degrees Fahrenheit. The average low in winter is about 48 degrees Fahrenheit.



Fargo, North Dakota, USA - Climate Zone: \_\_\_\_\_

The average high during the summer in Fargo is 72 degrees Fahrenheit while the average low during winter is 5 degrees Fahrenheit (27 degrees below freezing!). It only received about 26 inches of rain a year, but about 52 inches of snow falls as well!

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How about your town?

What climate zone do **YOU** live in? \_\_\_\_\_ . Explain why you think so below.

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**Now it's your turn!** Think of your favorite weather. Do you like the snow? Do you like being cold? How about being hot? How do you feel about the rain? Design your dream town, draw it, and give it a name. What climate zone is it in? Explain.

Town Name: \_\_\_\_\_

Climate Zone: \_\_\_\_\_ Explain Why: \_\_\_\_\_

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Want to go farther? How would this climate affect the citizens of your town? What kind of cars do they drive? What food grows there? What do they wear? Draw that too!