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Climate Zone	Average Temperature	Average Precipitation	Notes
Polar	long very cold	little	the ground is always frozen, lichens
Tundra	winters, short cool summers	precipitation	and moss, arctic fox, musk ox, arctic hare
Cold	hard cold winters,	low	evergreen trees (conifers), frogs, insects, seed eating birds, beaver, moose, deer, elk
Boreal	short	precipitation	
Forest	summers		
Temperate	warm & cool	humid, even	6 month growing season, broadleaf trees,
broadleaf for	est seasons	precipitation	squirrels, deer, birds, insects, raccoon
grassland	warm summers	semi dry,	grasses and shrubs, fertile soils, buffalo, dee
		winter snow	gopher, coyote
Dry	Hot	little rain	plants with deep roots like cactus, or
desert	1100	intaio i c	pants with short lives, covote, reptile
uesen		dry	meerkats
Tropical	Hot	heavy rain	Thick, tall forests, many kinds of plants,
rain forest		wet and dry	insects, reptiles, primates
	Hot	,	grasses, some trees, elephants, zebra, lions,
grassland		seasons	cheetahs, leopards

Explain 1. What factors determine an area's climate?

The factors that determine climate are amount and the type of precipitation, the amount of Sunlight (direct rays or spread out), temperature, and latitude and elevation.

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- How can there be snow in parts of a tropical zone?There could be snow on a mountain in the tropics if the mountain was tall enough to reach the cold part of the atmosphere.
- 3. What would happen to an organism living in a tropical climate if the temperature got cooler and less precipitation fell?

An organism in a tropical climate might die from being cold or of thirst if the tropical climate changed because tropical animals have tools (body parts or behavior) to help them survive in the warm, wet climate. And they would be able to change fast enough to survive colder and drier conditions

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- Explain how life at the Arctic and Antarctic Polar Regions is different from life at the equator.
- What is greenhouse warming? How does it effect the Earth? The greenhouse effect is a natural process where the atmosphere holds in the sun's energy. But humans burning wood, gasoline, and coal add carbon dioxide (pollution) to the air which increases the warming. This could warm the overall climate of Earth, which could melt the Polar ice, and could raise sea water levels higher that what they are now.

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