

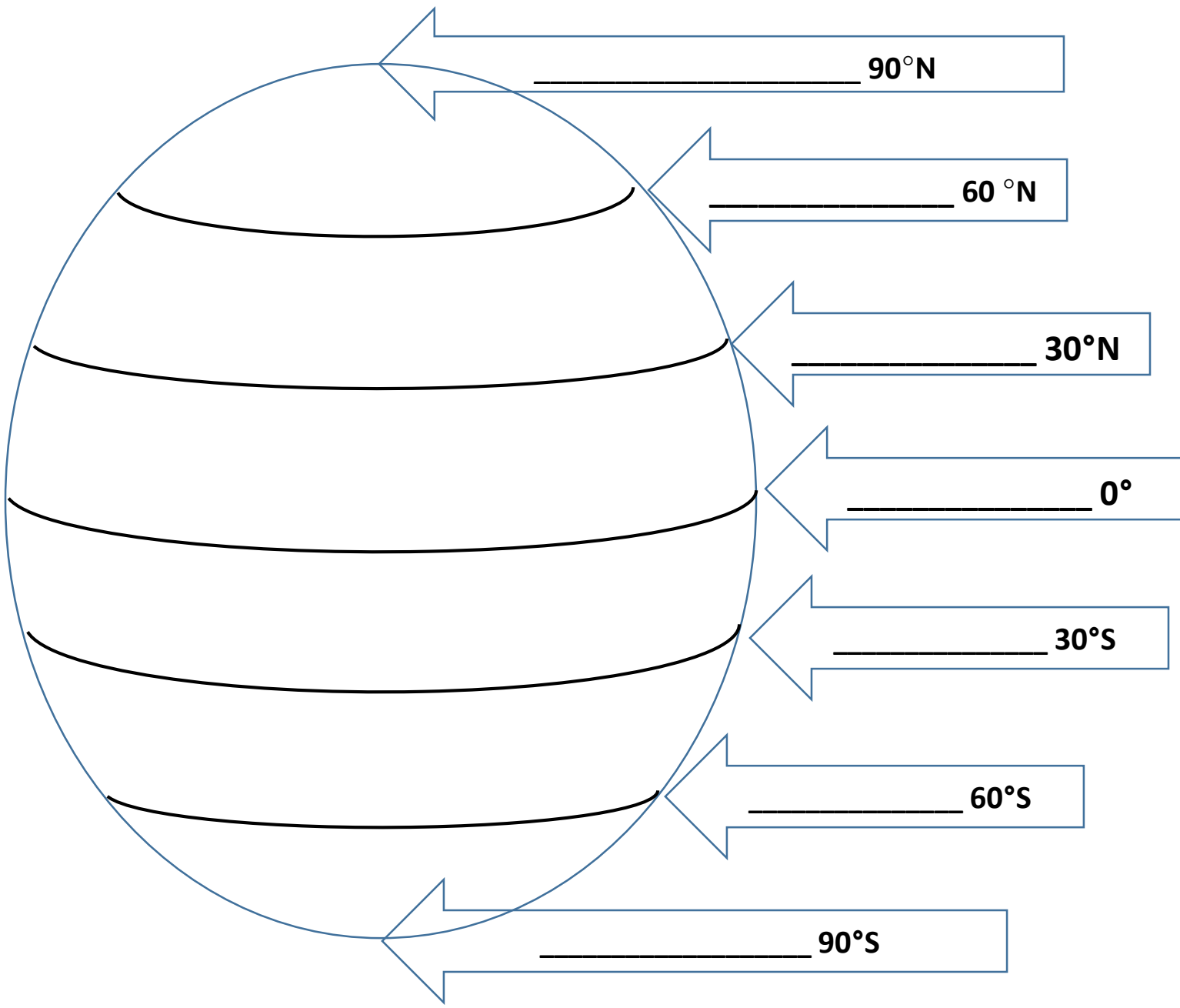
Two kinds of winds...

GLOBAL Winds that blow over _____ around the Earth	LOCAL winds that blow a _____
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Why Do Different Parts of the Earth Have Different Temperatures?

<u>Air rises at the Equator</u> <ul style="list-style-type: none">• _____ at the Equator is _____• _____• _____• The Equator is a _____ area	<u>What happens to rising air at the Equator?</u> <ul style="list-style-type: none">• At the Equator, _____• As the air moves _____, it _____• The air begins to _____ to move _____• _____ air _____ at the _____
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Winds blow from _____ Pressure to _____ Pressure



How are winds named?

The _____ from which they _____

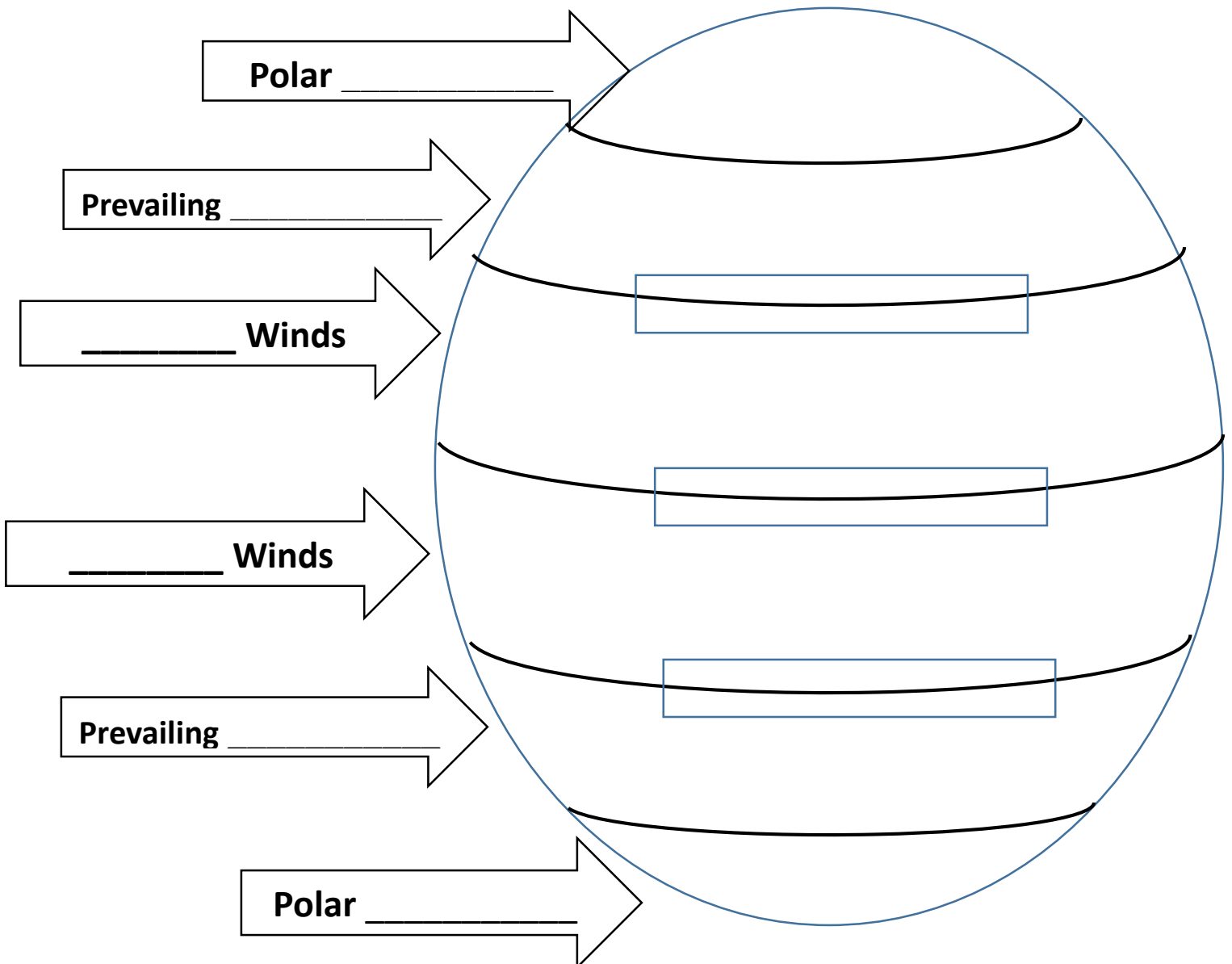
Names of Winds

_____ winds comes from the north

_____ winds come from the south

_____ winds come from the southeast and blow _____

_____ winds come from the northeast and blow to the _____



<p>Polar Easterlies</p> <p>_____, _____ pressure winds coming from both the north and south pole</p> <p>_____</p>	<p>Trade Winds</p> <p>The Trade Winds are blowing _____ the _____</p> <p>These winds are _____, blowing from the east</p> <ul style="list-style-type: none"> • _____ of the equator, winds blow from the _____ • _____ of the equator, winds blow from the _____
<p>Prevailing Westerlies</p> <p>Move _____</p> <p>_____ to the _____</p> <p>_____ for many of _____ movements across the _____ and _____</p>	<p>Zones of NO WIND</p> <p>Doldrums</p> <p>Since Trade Winds blow from _____ the North & South, a _____</p> <p>Horse Latitudes</p> <p>_____ at the 30° latitude lines</p>
<p>30° North & South Latitude</p>	
<p>This is an area of _____</p> <p>Air from the Equator and from the 60° latitudes _____ and _____ at the 30° latitude</p>	<p>Along this latitude, _____</p> <p>_____</p>

Why Don't The Winds Blow in Straight Lines?

Coriolis Effect

Since the earth rotates, winds _____ blow directly from north to south or south to north

They curve because the _____

The _____ is the _____ of _____ (liquids/gases) due to the _____

- _____ Hemisphere winds curve to the _____
- _____ Hemisphere winds cure to the _____

Sea Breeze vs. Land Breeze

Sea Breeze

During the _____, _____

_____ air over _____

_____ air _____ and
moves to replace warm air

As warm air rises → expands and
cools

As cools → becomes more dense →
sinks back down

Land Breeze

At _____, _____
_____ than water

Air _____ & less dense
than air above dry land

- Convection current goes in
opposite direction of daytime

_____ and
goes out over water

