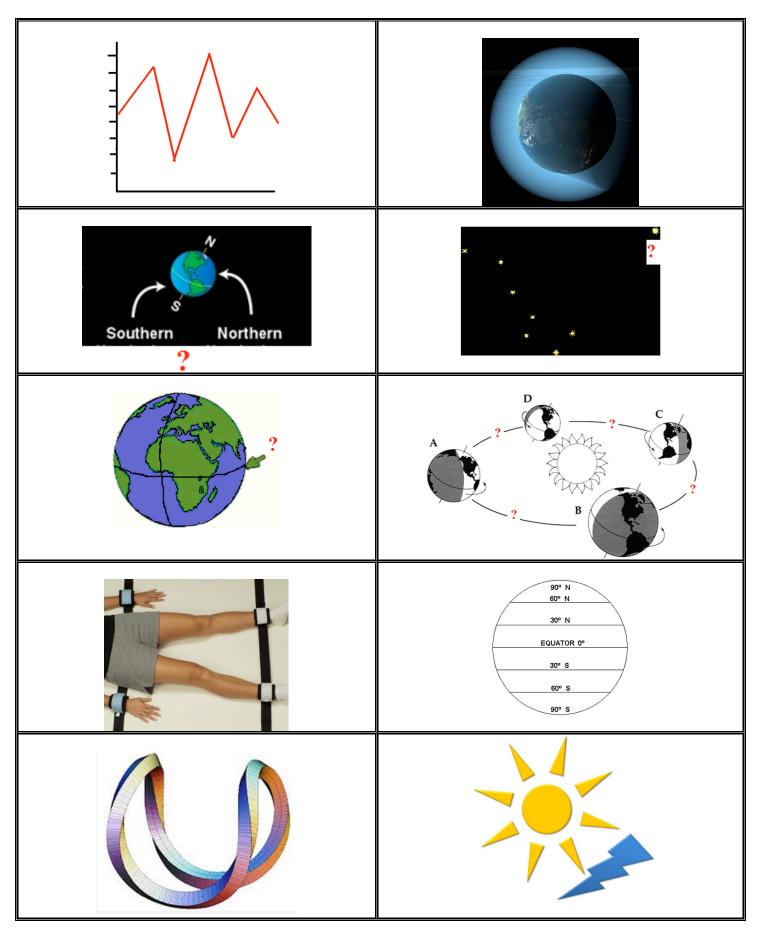
## Picture Match Words

Fluctuate	Atmosphere			
Hemisphere	North Star			
Equator	Revolve			
Fixed	Latitude			
Curvature	Solar energy			

## Picture Match Board



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## Spelling Pyramid

Solar	Energy			
S				
So				
Sol				
Sola				
Solar				
North Star	Hemisphere			
Fluctuate	Latitude			
Equator	Fixed			
Write 3-step directions for (a) locating the North Star <b>OR</b> (b) measuring the latitude <b>OR</b> (c) locating the equator on a map using <b>ONE</b> of the two frames:    To begin with,   Then [next, after that],   Last,				
2				
5				

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# Card game

Fluctuate: to change level, strength, or value often	Solar energy: the light and heat from the Sun
Fixed: something that does not change	North Star (Polaris): a star located at the north; it never changes its place in the sky
<b>Equator</b> : an imaginary circle around the Earth at the same distance from the North Pole and the South Pole	Atmosphere: a mass of gases surrounding a planet or star
<b>Latitude</b> : distance north or south from the equator measured in degrees	<b>Hemisphere</b> : one half of the Earth
<b>Curvature</b> : the amount to which something has a rounded shape	<b>Revolve</b> : to move or turn in a circle

#### Jeopardy

- a. Round 1: "Jeopardy" (Materials: the Wednesday set for the host)
  - i. The class splits into two teams + 1 person is the game host
  - ii. 1 person from each team stands approaches the host's table.
  - iii. The host reads a word, the first person who "pushes a button" gets to provide the word definition. The correct definition gets the team a point.
  - iv. The game continues until all words have been used.
- b. Round 2: Each team gets a set of 4 key vocab words and blank sentence strip. The teams are asked to develop sentences using the key words. Each scientifically (1pt) + grammatically correct (1pt) sentence gets the team 2 points.

### Friday

- c. Quiz
- d. Grade own understanding (using the Vocab Journal on a scale of 1-4)

#### **Answer Key**

#	Sentence		Correct
1.	Because of the <u>curvature</u> of the Earth, sunlight strikes the poles at a low angle.	В	
2.	The planets in the solar system <u>revolve</u> around the Sun.	D	
3.	When you are facing the North Star (Polaris) you are always facing north.	C	
4.	The distance north or south from the equator measured in degrees is called a <u>latitude</u> .	E	
5.	The northern and southern <u>hemispheres</u> experience summer and winter at different times; when it is summer in one, it is winter in the other.	A	
6.	The length of day and night <u>fluctuates</u> depending on the season (position of the Earth in its orbit around the Sun) and the latitude.	A	
7.	People living on the <u>equator</u> have 12 hours of daylight and 12 hours of darkness every day of the year.	D	
8.	The heat and light produced by the Sun are called solar energy.	E	
9.	The angle of the Earth tilt is <u>fixed</u> at 23.5°.	C	
10.	The Sun's rays striking the Earth at a low angle must pass through more atmosphere.	В	

ne		D	ate			
_	The state of the s	` • .			ence. W	rite the
t A	<b>A.</b> hemispheres	<b>D.</b> revolve				
]	B. curvature	E. latitude				
•	C. North Star					
	S	Sentence			Letter	Correct
			ght strike	S		
(hits/reaches	) the poles at a low ang	gle.				
The planets in the solar systemaround the Sun.						
When you ar	re facing the		you are a	ways facing		
north.						
		•	•			
a	·					
The northern and southernexperience (have) summer and			ımmer and			
winter at diff	ferent times; when it is	s summer in one, it is	s winter in	the other.		
t B	A. fluctuates	<b>D.</b> equator				
	<b>B.</b> atmosphere	E. solar energy				
	C. fixed					
	Because of the hine winter at diff	Because of the	The planets in the solar system  When you are facing the  When you are facing the  The distance north or south from the equator measured a  The northern and southern  winter at different times; when it is summer in one, it is  B. A. fluctuates  B. curvature  B. curvature  B. latitude  C. North Star   Sentence  Sentence  Sentence  Because of the  of the Earth, sunling  (hits/reaches) the poles at a low angle.  The planets in the solar system  When you are facing the  porth.  The distance north or south from the equator measured a  Experience winter at different times; when it is summer in one, it is  the A. fluctuates  D. equator  E. solar energy	g the Word Bank, choose the best word (or phrase) that mated on the line and put the corresponding letter in the space profit A A. hemispheres D. revolve B. curvature E. latitude C. North Star  Sentence  Because of the of the Earth, sunlight strikes (hits/reaches) the poles at a low angle.  The planets in the solar system aroun When you are facing the, you are all north.  The distance north or south from the equator measured in degree a  The northern and southern experience (have) so winter at different times; when it is summer in one, it is winter in the solar energy  B. atmosphere E. solar energy	g the Word Bank, choose the best word (or phrase) that matches each sented on the line and put the corresponding letter in the space provided.  t A A. hemispheres D. revolve B. curvature E. latitude C. North Star   Sentence  Because of the of the Earth, sunlight strikes (hits/reaches) the poles at a low angle.  The planets in the solar system around the Sun.  When you are facing the, you are always facing north.  The distance north or south from the equator measured in degrees is called a  The northern and southern experience (have) summer and winter at different times; when it is summer in one, it is winter in the other.  B A. fluctuates D. equator B. atmosphere E. solar energy	the Word Bank, choose the best word (or phrase) that matches each sentence. Wild on the line and put the corresponding letter in the space provided.  A. A. hemispheres B. curvature C. North Star  Sentence  Sentence  Because of the of the Earth, sunlight strikes (hits/reaches) the poles at a low angle.  The planets in the solar system around the Sun.  When you are facing the, you are always facing north.  The distance north or south from the equator measured in degrees is called a  The northern and southern experience (have) summer and winter at different times; when it is summer in one, it is winter in the other.  B. atmosphere  B. atmosphere  B. atmosphere  C. North Star  Letter  Because of the of the Earth, sunlight strikes (hits/reaches) the poles at a low angle.  Letter  Because of the of the Earth, sunlight strikes (hits/reaches) the poles at a low angle.  Letter  Because of the of the Earth, sunlight strikes (hits/reaches) the poles at a low angle.  The planets in the solar system around the Sun.  D. equator experience (have) summer and winter at different times; when it is summer in one, it is winter in the other.

#	Sentence	Letter	Correct
6.	The length of day and nightdepending on the season (position of the Earth in its orbit around the Sun) and the latitude.		
7.	People living on the have 12 hours of daylight and 12 hours of darkness every day of the year.		
8.	The heat and light produced by the Sun are called		
9.	The angle of the Earth's tilt isat 23.5°.		
10.	The Sun's rays striking (hitting/reaching) the Earth at a low angle must pass through more		
Total correct			/10