

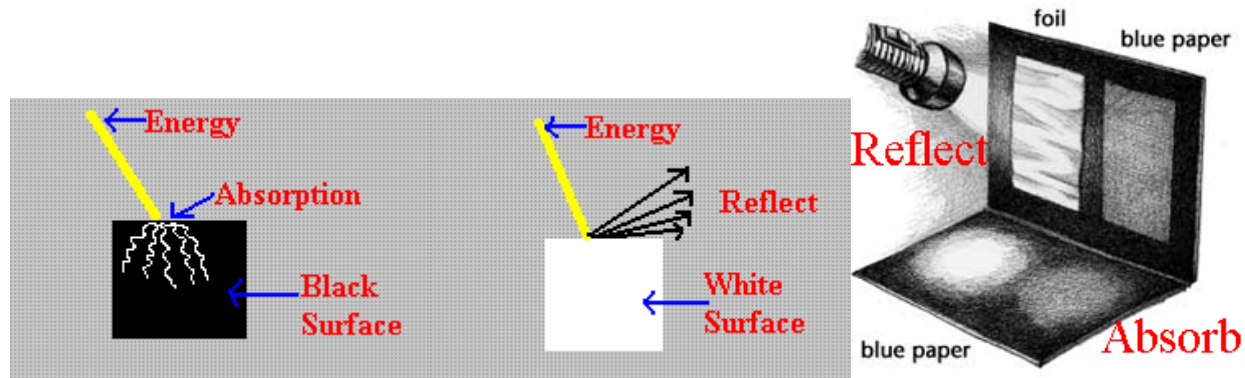


100 Illustrated Ways to Pass the Earth Science Regents with Sample Questions and Games

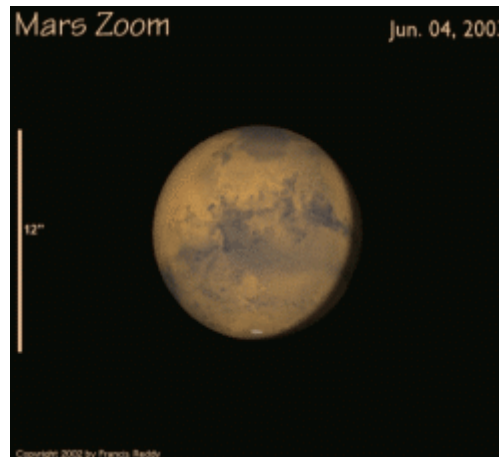
***This is a copy of the online review sheet located at: (www.ReviewEarthScience.com/100ways). Many of the images located in the online version are animations or pictures which show movement. In order to get the most out of this review sheet, the online site should be visited!

This sheet does not do the online version justice! Additionally, the online version has practice regents questions and online games! ***

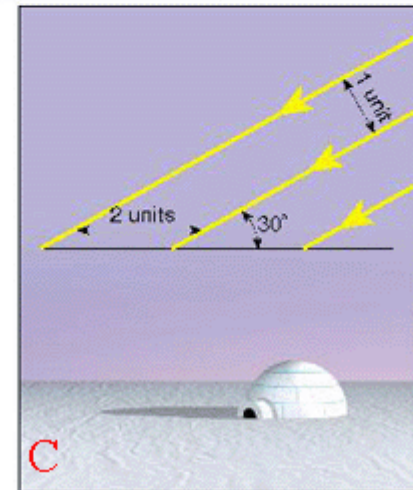
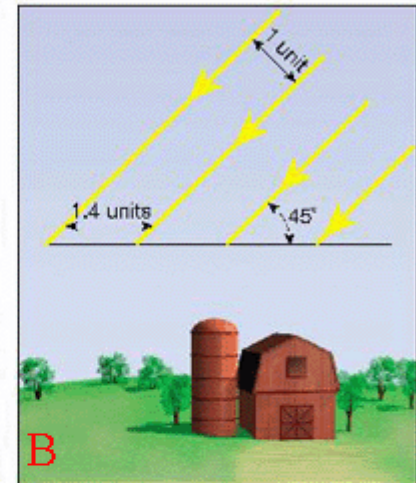
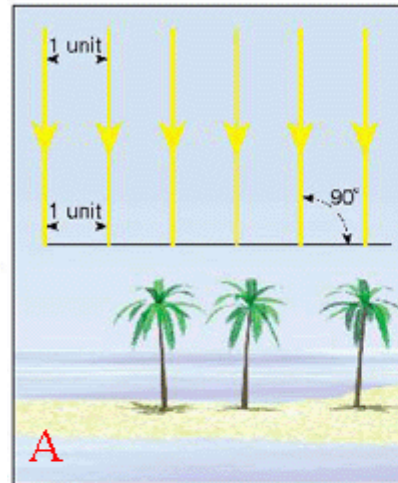
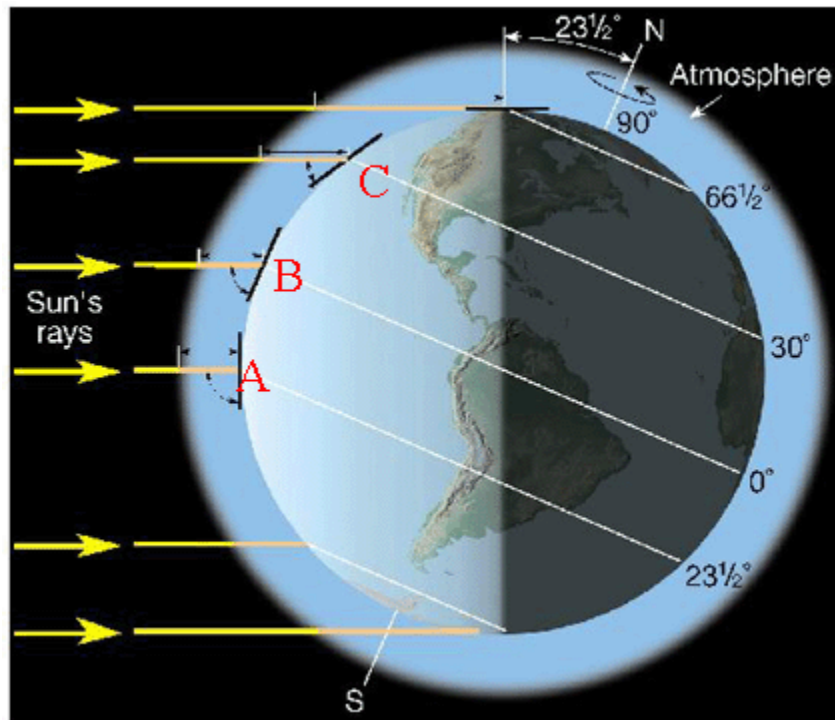
31 Black objects absorb energy and white objects reflect.



32 Apparent diameter of objects (sun, moon) gets larger when the object is closer to Earth.



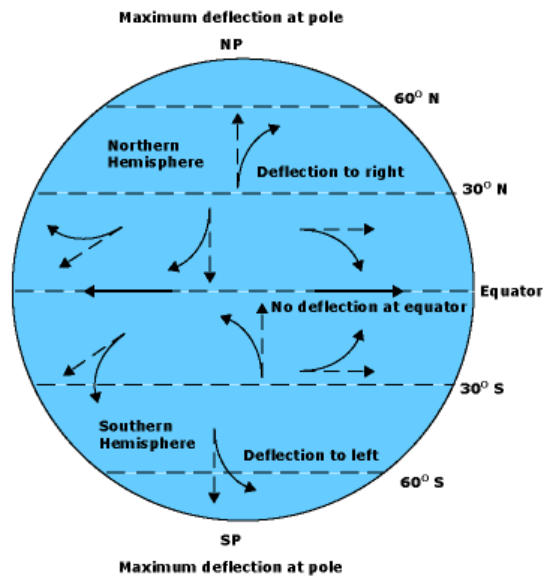
33 Vertical rays (overhead sun) can only occur between 23.5°N and 23.5°S.



3 4 Be familiar with this chart.

DATE (APPROXIMATE)	LATITUDE OF SUN'S DIRECT RAYS	DIRECTION OF SUNRISE AND SUNSET	ALTITUDE OF NOON SUN	LENGTH OF DAYLIGHT
Sept. 23 (Autumnal Equinox)	Equator (0°)	Rises due East Sets due West	48°	12 hours
December 21 (Winter Solstice)	Tropic of Capricorn (23.5°S)	Rises in South East Sets in South West	24.5° (lowest)	8 hours (shortest day)
March 21 (Vernal Equinox)	Equator (0°)	Rises due East Sets due West	48°	12 hours
June 21 (Summer Solstice)	Tropic of Cancer (23.5°N)	Rises in North East Sets in North West	71.5° (highest)	16 hours (longest day)

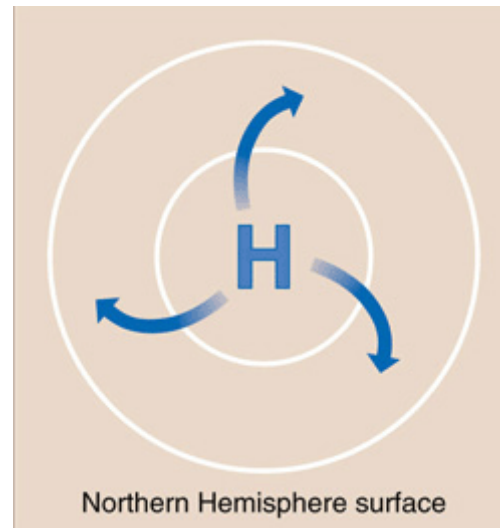
3 5 Winds curve to the right in the northern hemisphere and to the left in the southern hemisphere due to the earth rotation. Called the Coriolis Effect.



36 Energy moves from source to sink: high to low.



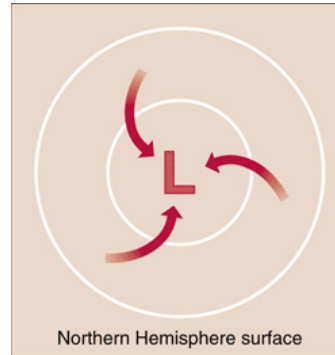
37 Air moves clockwise and outward around a high.



38

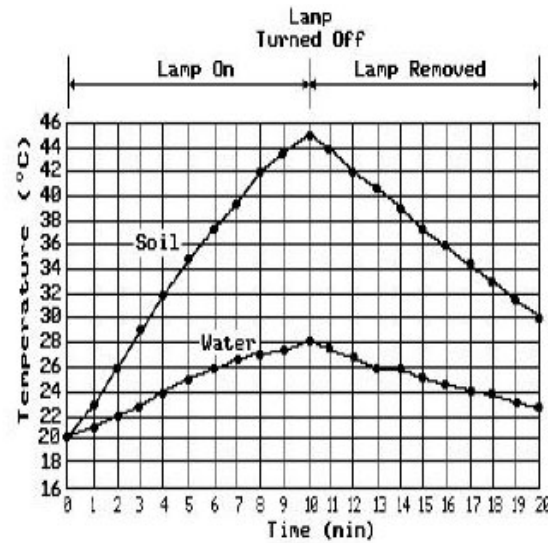
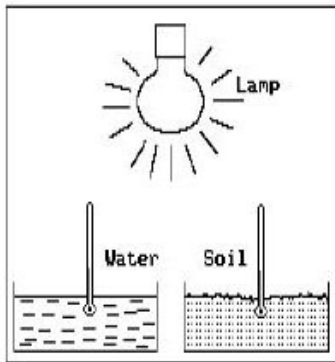


Air moves counterclockwise and inward around a low.



39

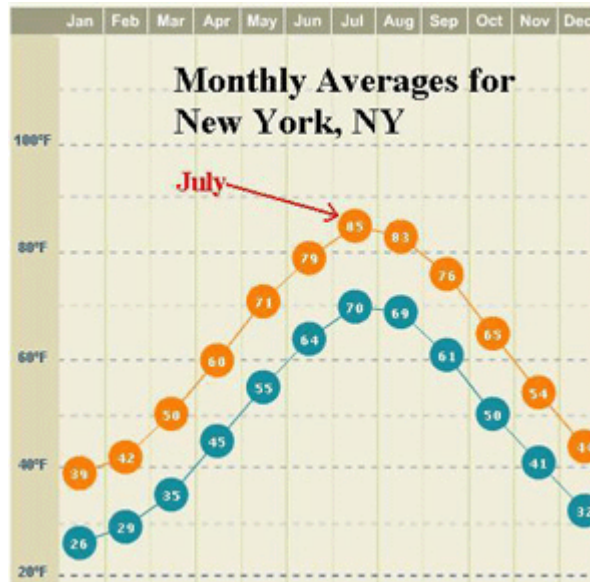
Good absorbers of radiation are good radiators.



Specific Heats of Common Materials

MATERIAL	SPECIFIC HEAT (calories/gram • C°)	
Water {	solid	0.5
	liquid	1.0
	gas	0.5
Dry air	0.24	
Basalt	0.20	
Granite	0.19	
Iron	0.11	
Copper	0.09	
Lead	0.03	

40 Hottest part of the year is in July in the Northern Hemisphere.



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