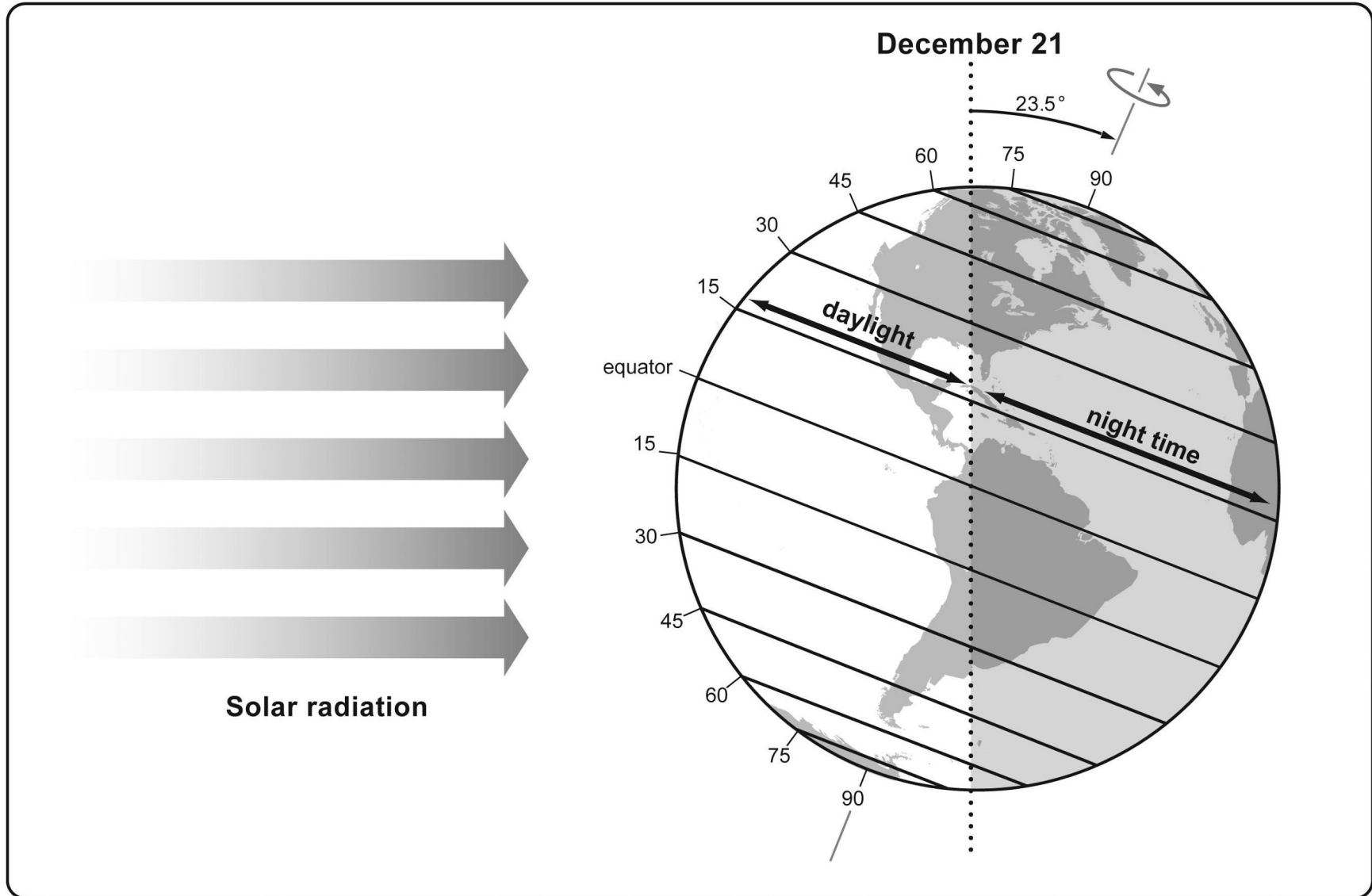


Daylight Hours on December 21st



Approximate Number of Daylight Hours December 21

Latitude	*Length of daylight line (mm)	*Length of day + night line p(mm)	*Percent daytime	*Hours of daylight
75° N	0	27	0	0
60°N	8	50	16	4
45°N	20	70	29	7
30°N	30	82	37	9
15°N	42	94	45	11
0°	49	98	50	12
15°S	52	94	55	13
30°S	49	84	58	14
45°S	46	69	67	16
60°S	40	49	83	20
75° S	27	27	100	24

***Approximate data are given.**

Discussion Questions

- How does length of daytime change with latitude? (Share evidence from the data table.)
- Are parts of Earth always dark at certain times of the year? If yes, use latitude to describe where. What time of the year does this occur?
- Are parts of Earth always in light at certain times of the year? If yes, use latitude to describe where. What time of the year does this occur?
- At which latitude(s) are there equal lengths of daytime and nighttime?

Whole class

How do you think more or less daylight in different parts of the world might affect how warm (with higher average temperatures) or how cold (with lower average temperatures) it is?

Here is another question to consider: If the length of daytime makes it warmer, will the summer temperatures at the poles when they have 24 hours of daylight be higher than at the equator?

