

14

8.7A

TSW model + illustrate how the tilted earth rotates on its axis causing day & night, and revolves around the Sun causing changes in seasons.

model

AND

illustrate

- use as an example
- duplicate
- to show
- a representation of something, usually on smaller scale

- to explain or make clear by using examples, charts, pictures
- to show
- to demonstrate

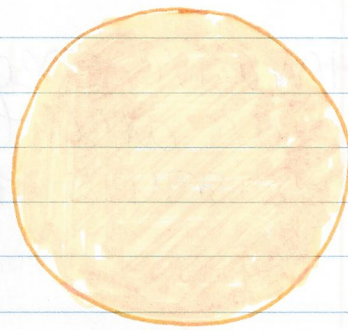
how the TILTED EARTH



ROTATES  
on axis

days  
nights

AND



REVOLVES  
around Sun

seasons

rotation - the spinning of Earth on its axis, causing day/night

axis - imaginary line through Earth from N to S poles & is center of Earth's rotation

tilt - the slant of Earth's axis,  $23.5^\circ$  from vertical

revolution - moving in an elliptical path around a center

orbital path - gravitationally curved path of an object around a point in space

seasons - 4 natural divisions of the year based on temp/sunlight

hemisphere - half of a sphere  
N/S                  E/W

direct - shortest possible way

indirect - any way other than the shortest way