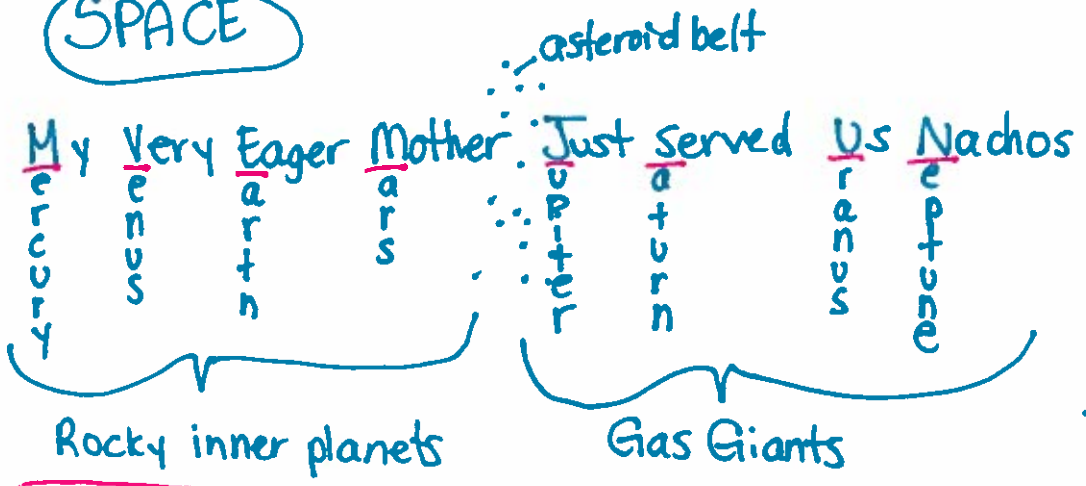


# SPACE



8 planets in our solar system - Milky Way

Rocky inner planets

Gas Giants

## CODE words

- Rotate (Rotation) - Day/Night ; 24 hours (12 day- 12 night); tides
- Revolve (Revolution) - Year; 365 1/4 days; 12 months; orbit; seasons
- Tilt - Seasons ; revolution

## ROTATE



- Spin on an axis

Causes:

- 1) Day + Night
- 2) Low/High tides
- 3) Sun appear to move from East to west

## REVOLVE



elliptical orbit

orbit, go around something

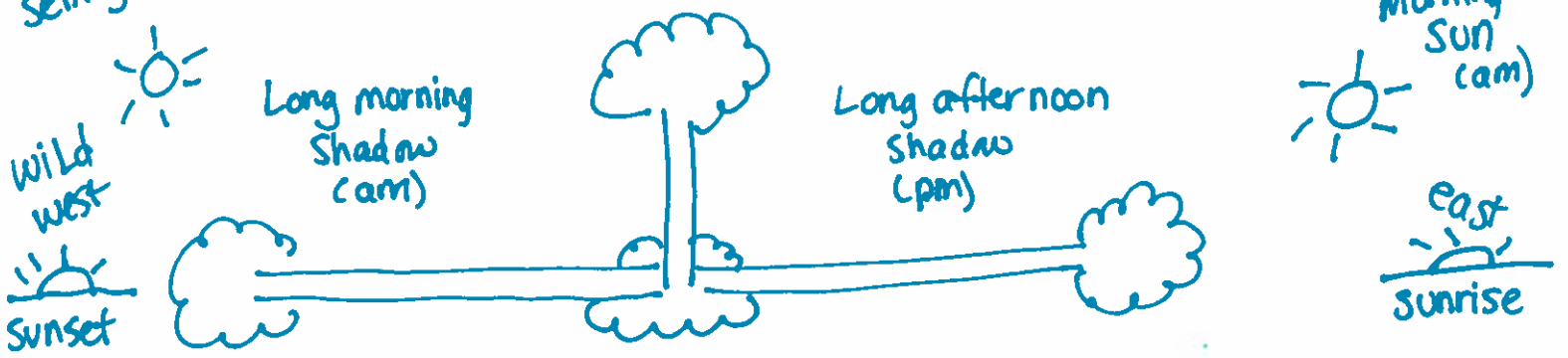
Causes:

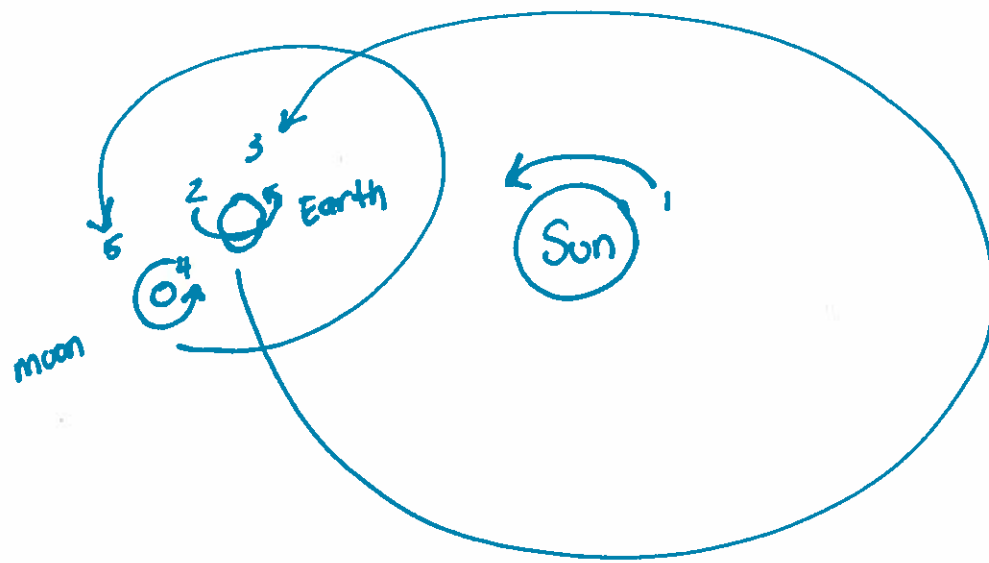
- 1) 1 year
- 2) with tilt, the seasons

## Shadows

setting evening Sun (pm)

The Sun only appears to move, due to rotation.



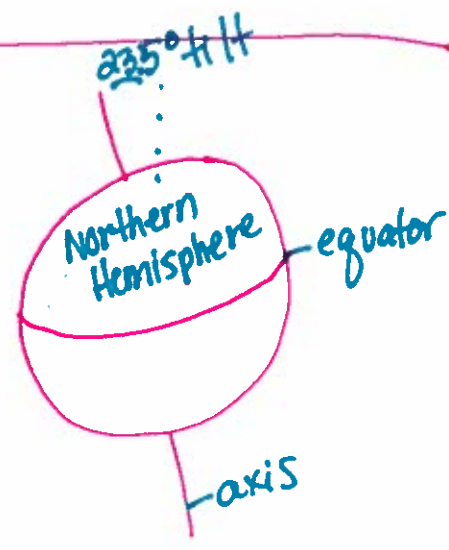
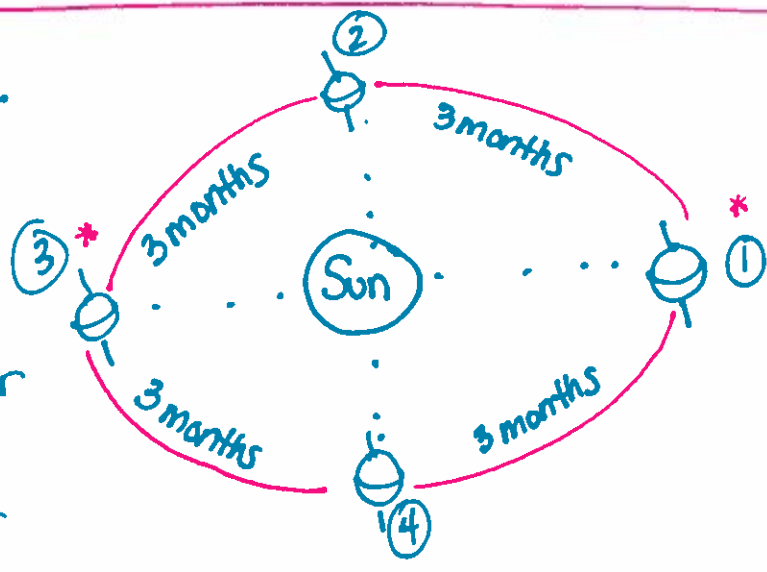


1. Sun spins on axis —
2. Earth spins on axis DAY/NIGHT
3. Earth revolves around Sun 1 year
4. Moon rotates on axis —
5. Moon revolves around Earth PHASES OF MOON

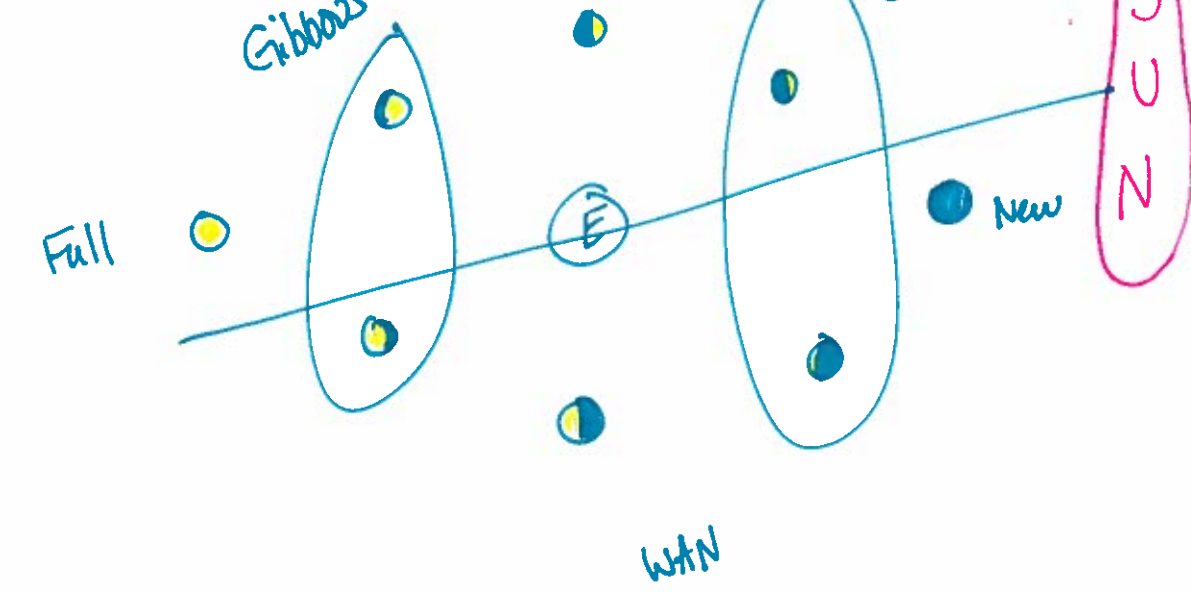
SEASONS

- Fall
- Winter
- Spring
- Summer

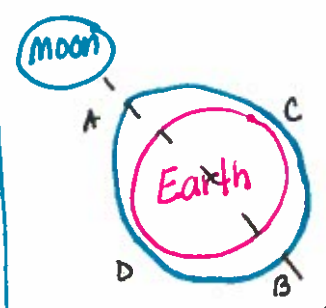
1. Summer
2. fall
3. winter
4. spring



Moon phases



Tides



The moon's gravity causes high tide at A and B - C and D are low tide