

Topic:

The Moon

Aim: How does the Moon cause changes in tides?

1. tidal "bulges" are created by the gravitational pull of the Moon on Earth's water

2. tides change because of the Earth's rotation and Moon's revolution

3. there are approximately 12.5 hours between 2 consecutive high tides

DIAGRAM A

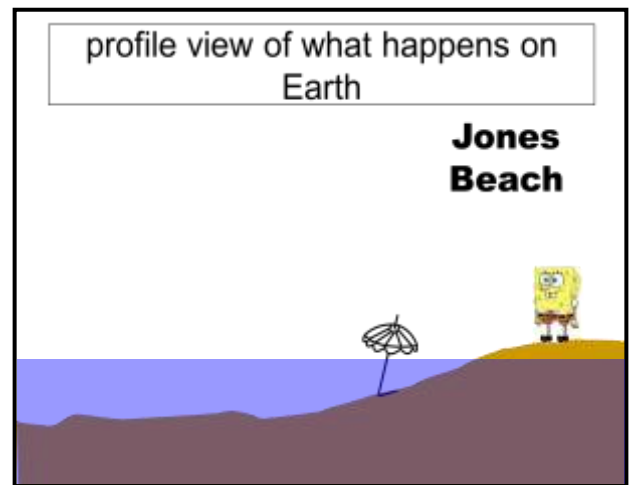
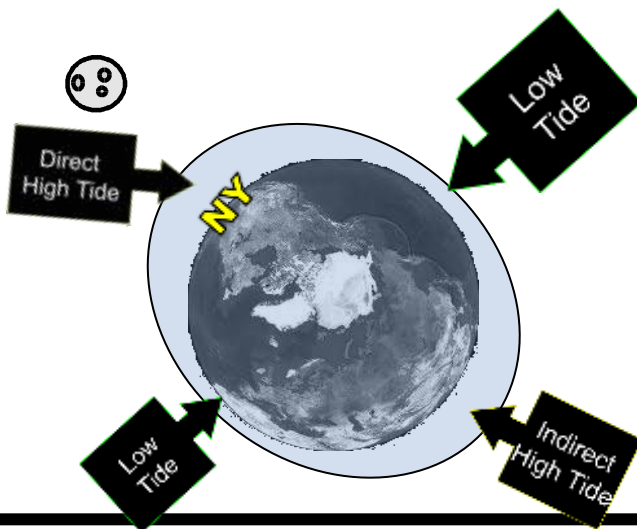
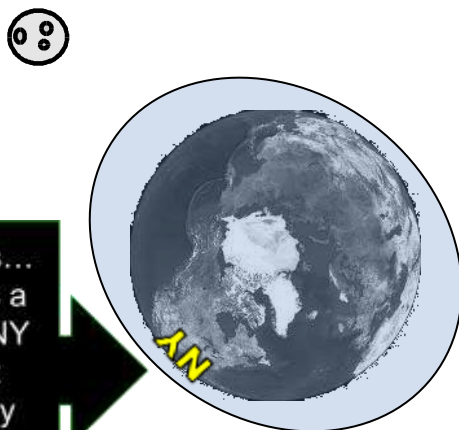


DIAGRAM B – a little more than 6 hours later ...



Earth rotates...
now there is a
low tide in NY
because it
moves away
from high
tidal bulge

