



# **4 Branches of Earth Science**

**Astronomy, Geology,  
Oceanography, &  
Meteorology**



# SQUARE 2

- Geology-is the study of the SOLID earth
  - Rocks
  - Soil
  - Layers of the Earth
  - Volcanoes
  - Earthquakes
  - Fossils
  - Plate Tectonics

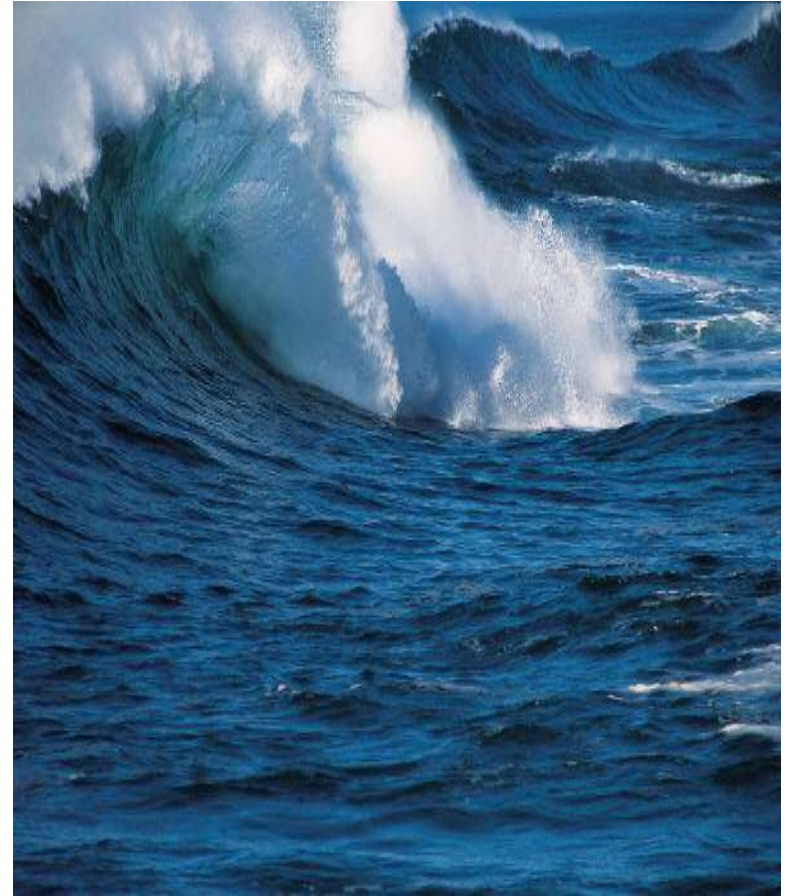
# Square 1

- **Volcanologist**-studies volcanoes
- **Seismologist**-studies earthquakes
- **Geophysicist**-looks at physical properties of solid earth (used in construction)
- **Geologist**-studies rocks, minerals, and land forms



# Square 3

- **Oceanography**-is the study of the ocean.
  - Currents/waves
  - Ocean floor
  - Tides
  - Salinity/ocean composition or makeup
  - Water Cycle



# Square 4



- **Marine Biologist-** studies life forms in the ocean
- **Oceanographer-** studies the ocean
- **Hydrologist-** studies water and the water cycle

# Square 6



**Meteorology**-is the study of the atmosphere and weather

- Weather
- Types of clouds
- Dangerous elements:  
hurricanes,  
tornados, & floods

# Square 5

- **Meteorologist-** studies the atmosphere and weather
- **Climatologist-** studies the climate and its effects





# Square 7

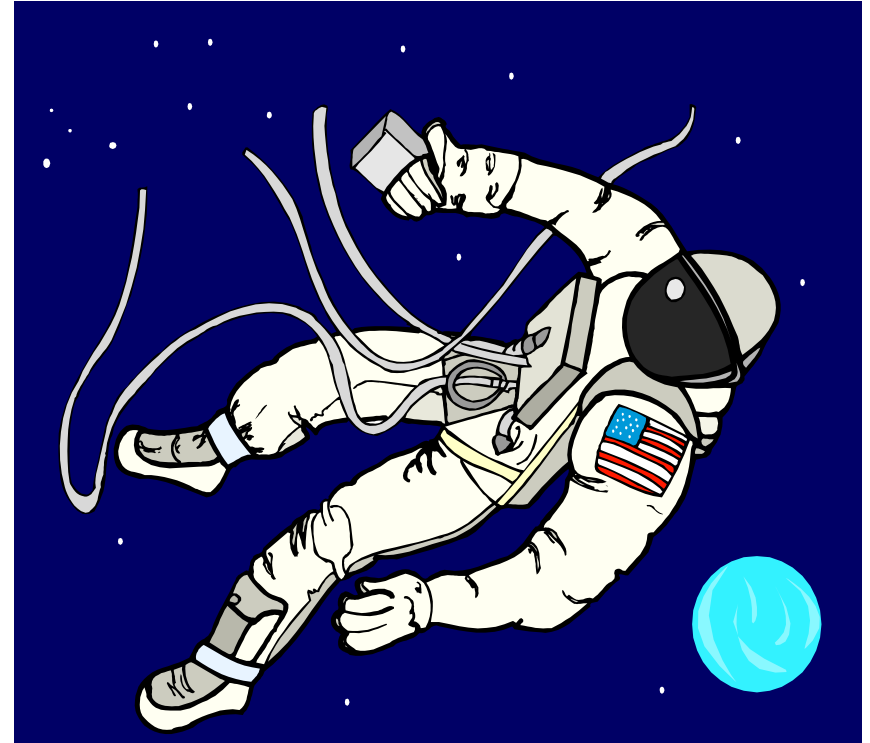
- **Astronomy**-is the study of all the physical things beyond earth
  - Planets
  - Solar system
  - Galaxies
  - Satellites
  - Comets
  - Stars





# Square 8

- **Astronomer-**scientist who studies stars and planets
- **Astronaut-**travels in space



SPACE MAN  
N.A.S.A