The “Vast” World Ocean
How **deep** is the ocean?

How **much** of Earth is covered by ocean?

What is **under** all of that water?
“Blue Planet”

Ocean = 71% of Earth
- Continents = 29% (Only!)
4 Main Oceans

1. Pacific
2. Atlantic
3. Indian
4. Arctic

“Southern Ocean”

“People Are Intelligent Always”
Mapping the Ocean Floor

• **Ocean Topography**
  – As Diverse as Continents!
  – Valleys, Mountains, Volcanoes, Plains etc!

• **Bathymetry**
  – Bathos = Depth
  – Metry = Measurement
  – Measurement of ocean floor
How do we know?!

- **Boats**
  - Sonar
  - Bouncing *sound* waves

- **Satellites**
  - Sea level *changes*

- **Submersibles**
  - Underwater boat
1. What are the **4 main oceans**?
   - Pacific, Atlantic, Indian, Arctic

2. **How much** of Earth is covered by water?
   - 71%

3. **What does** **Bathymetry** **mean**?
   - Measuring ocean depths

4. **How** do we know about the ocean floor?
   - Boats, Sonar, Satellites, Submersibles