

Warm-up



1. Describe Nebular Theory in words that a 1st grader could understand.
2. Earth has distinct layers because the _____ materials sank to the center.

“A View of Earth”



Chapter 1, Section 2

Earth's "Spheres"

Sphere?

3-dimensional circle, region

1. Hydrosphere
2. Atmosphere
3. Geosphere
4. Biosphere

Hydrosphere

- Water part of Earth



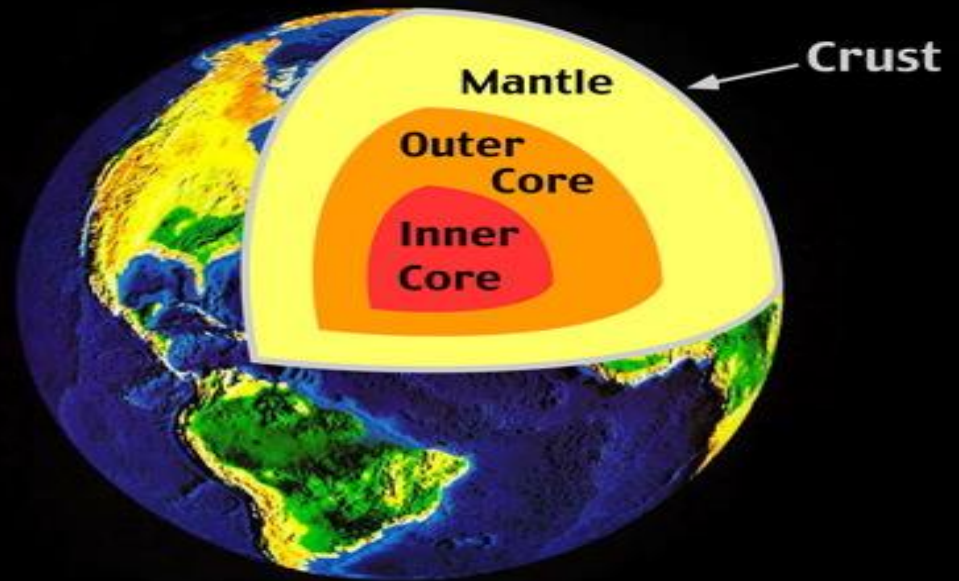
Atmosphere

- Gases
- Envelope of air



Geosphere

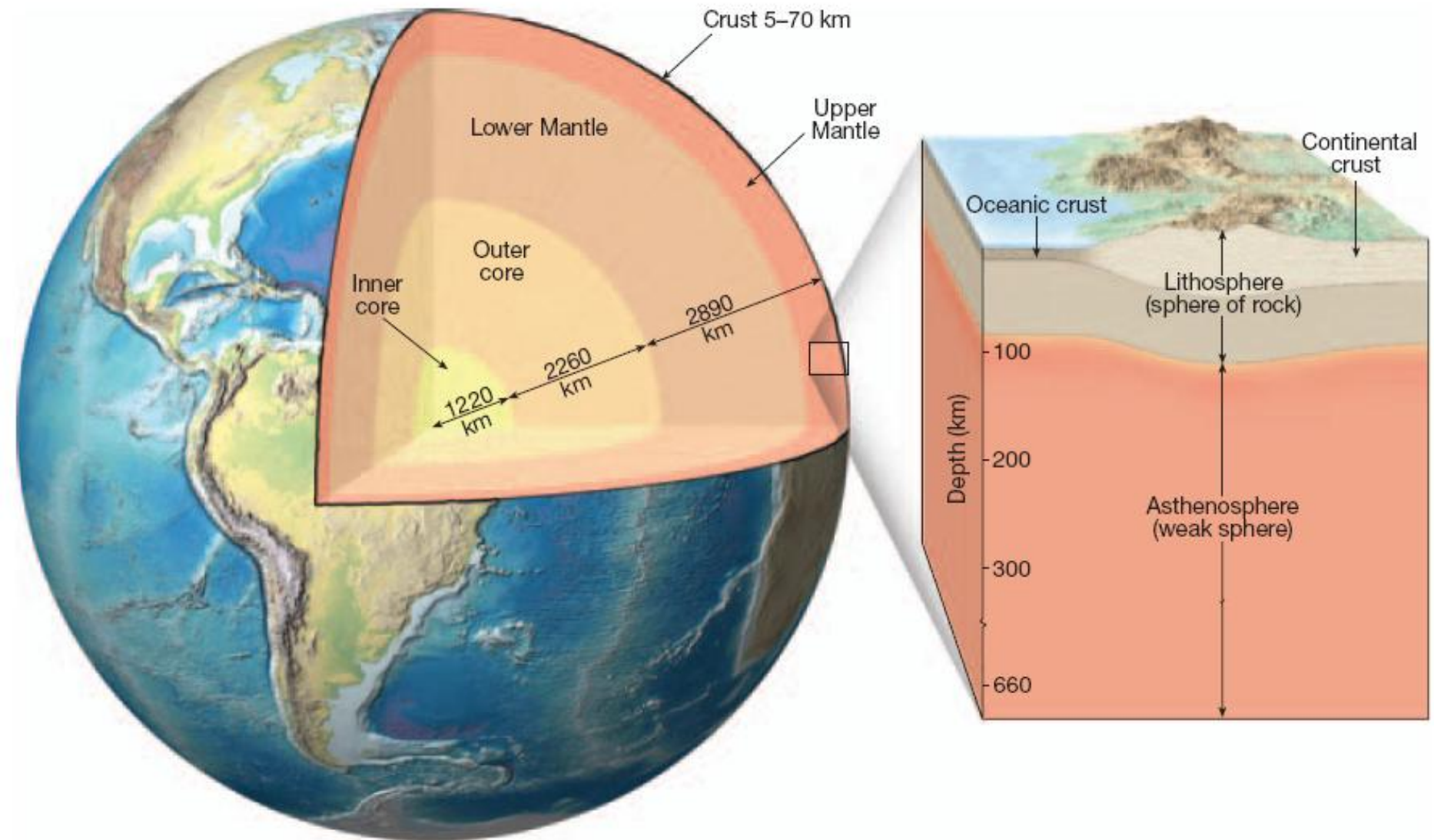
- Crust
- Mantle
- Core



- **Different parts, not “uniform”**
- **Under oceans and Continents**

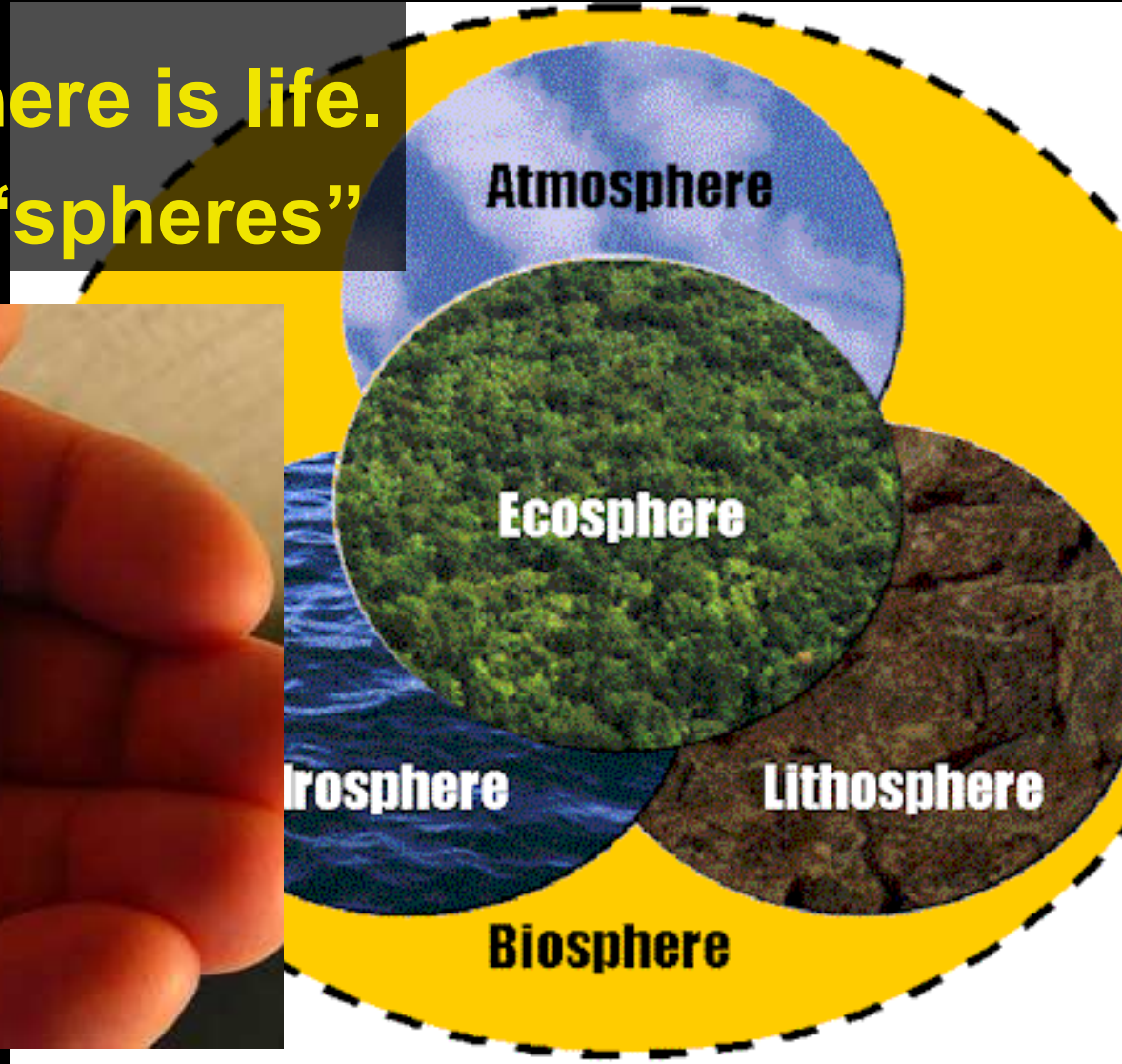
LAYERS!...

...Why?



Biosphere

- Life.
- Places where there is life.
- Includes other “spheres”

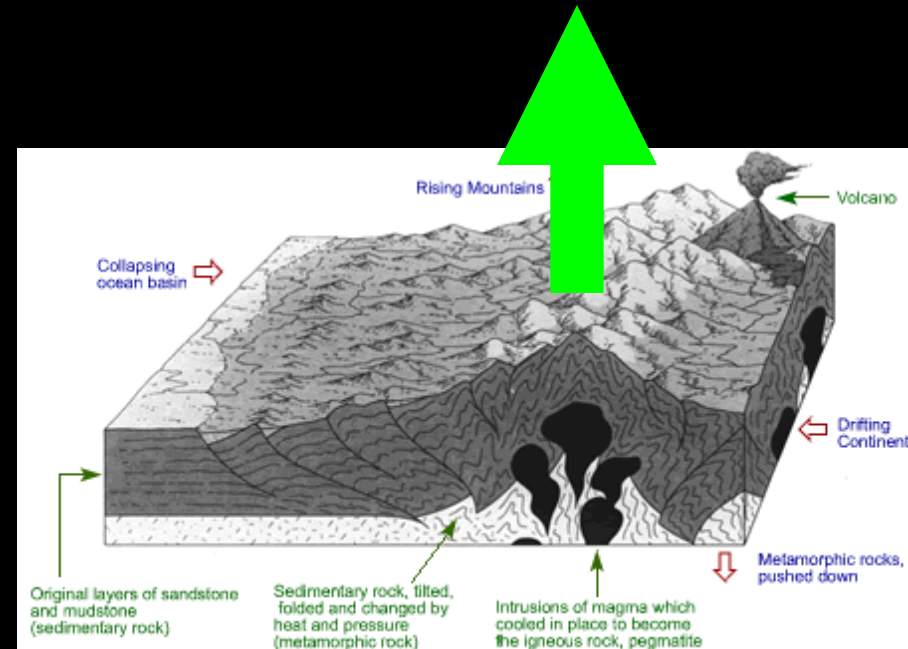


Earth is “Dynamic”

Dynamic = changing

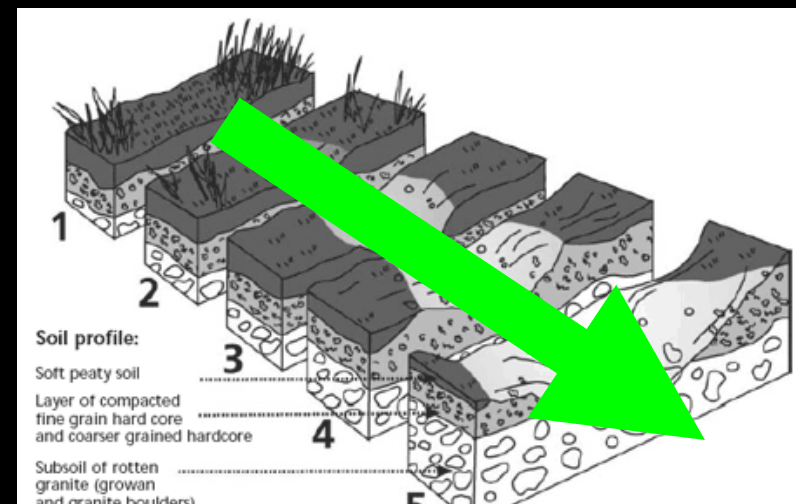
1. Constructive Forces

- a) Mountain building
- b) Volcanism
- **Build up, Create.**



2. Deconstructive Forces

- a) “Weathering”
- b) “Erosion”
- **Take-away, Flatten.**

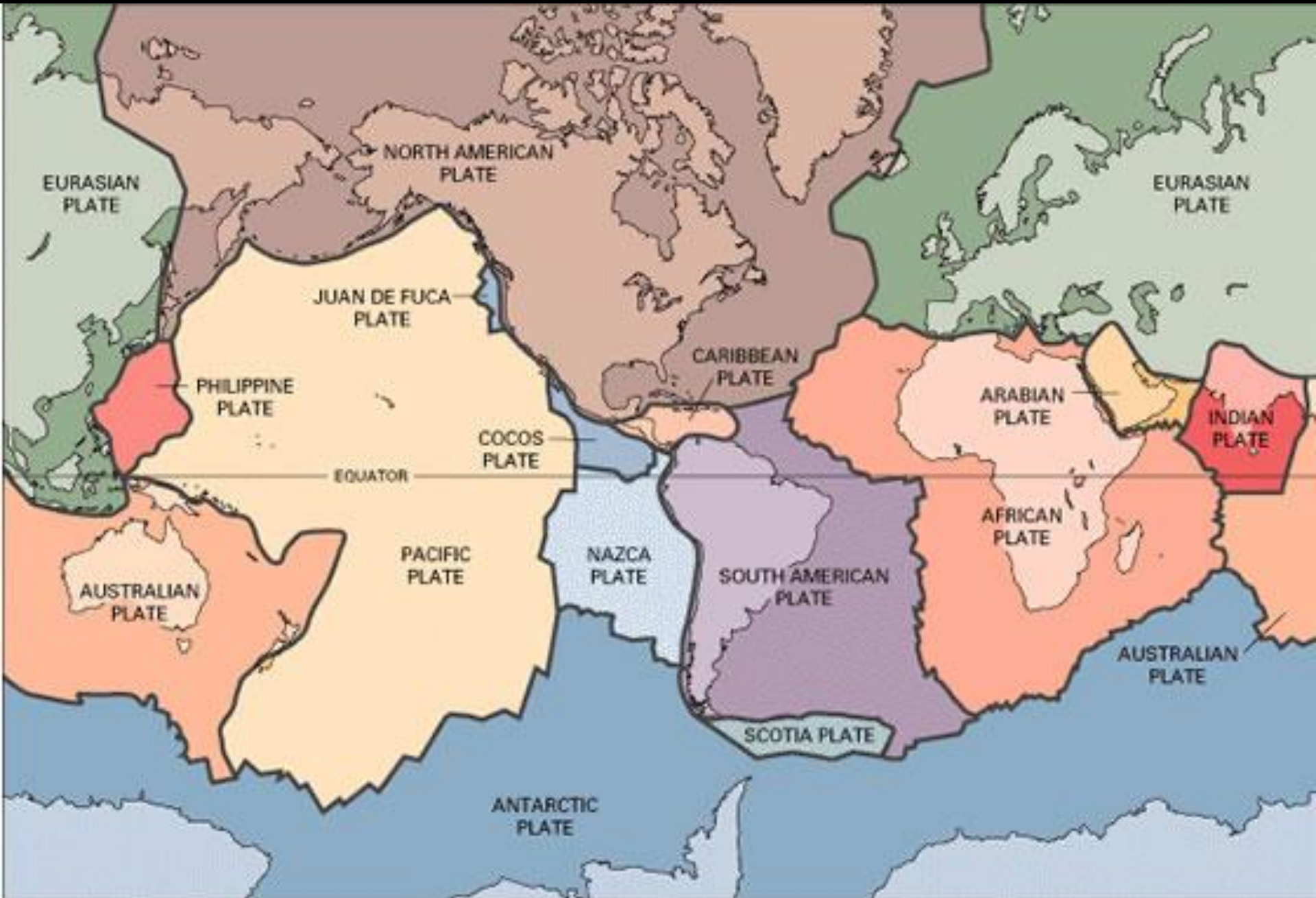


Theory of Plate Tectonics

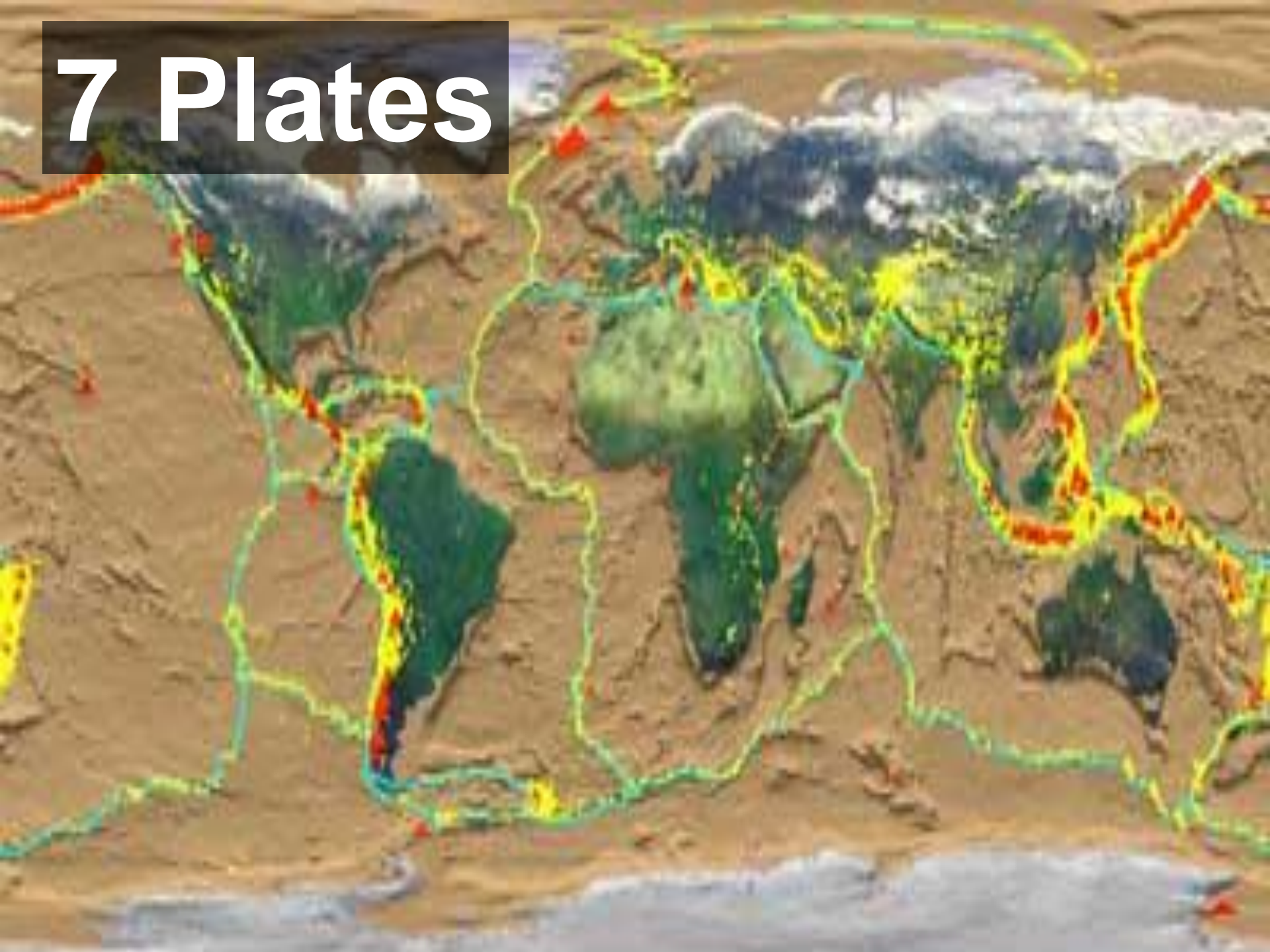
1. **Earth's surface = parts that move independently.**
2. "Plates."
3. Always moving.
4. Explains how continents have moved over time.



Earth's Plates

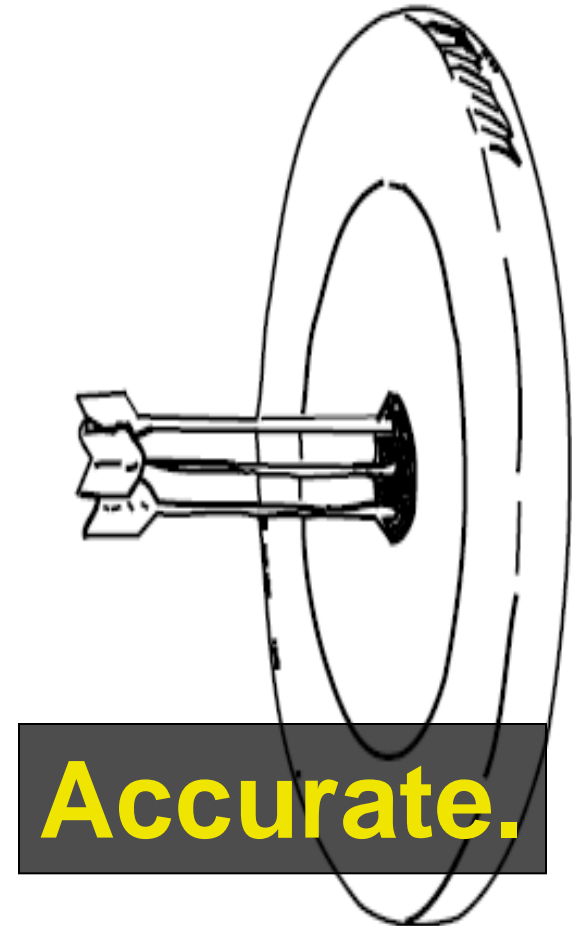
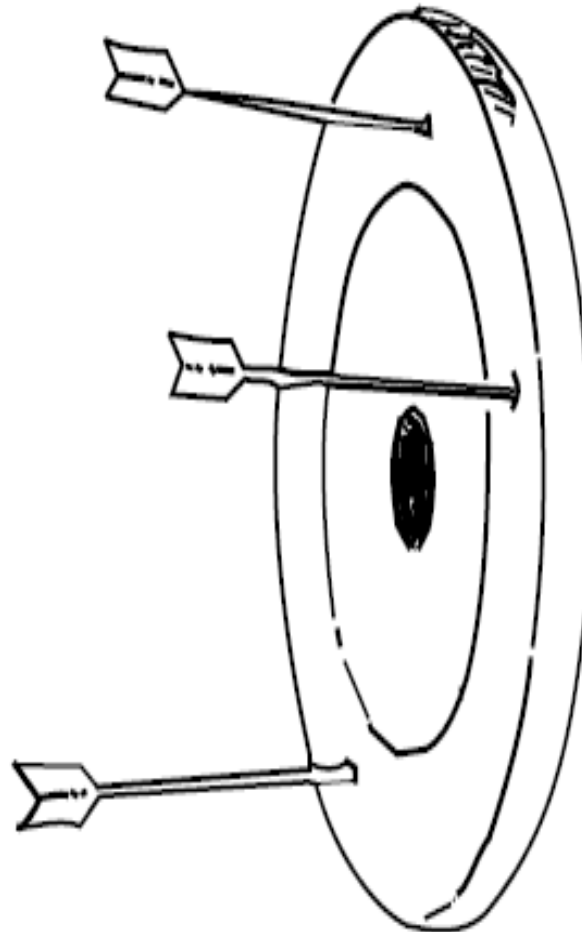
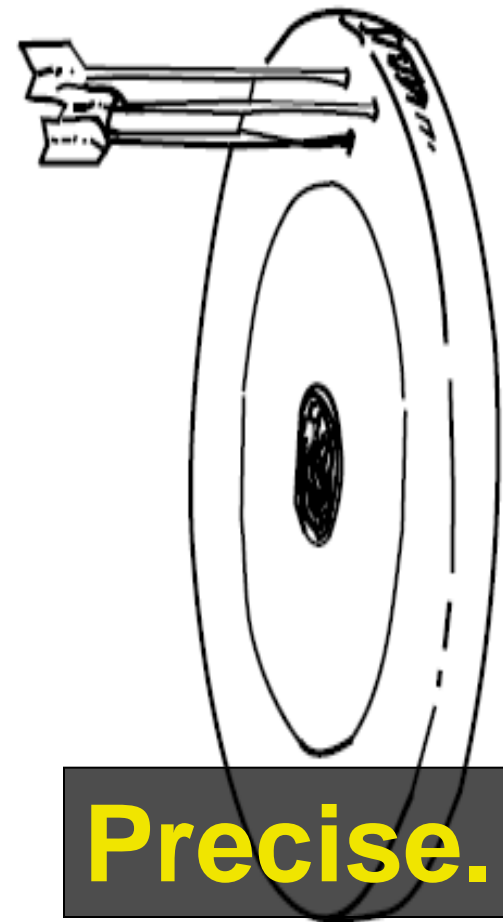


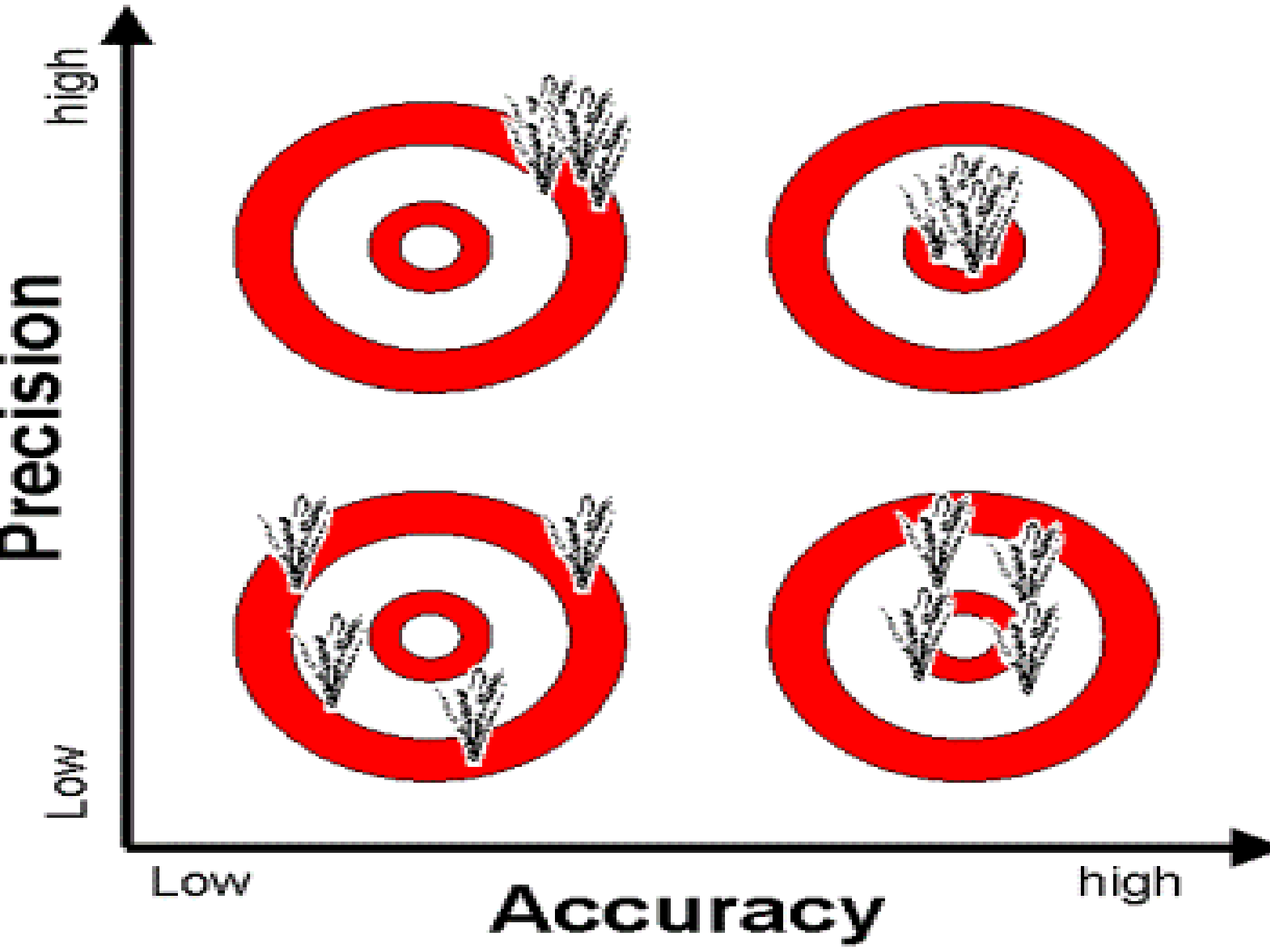
7 Plates



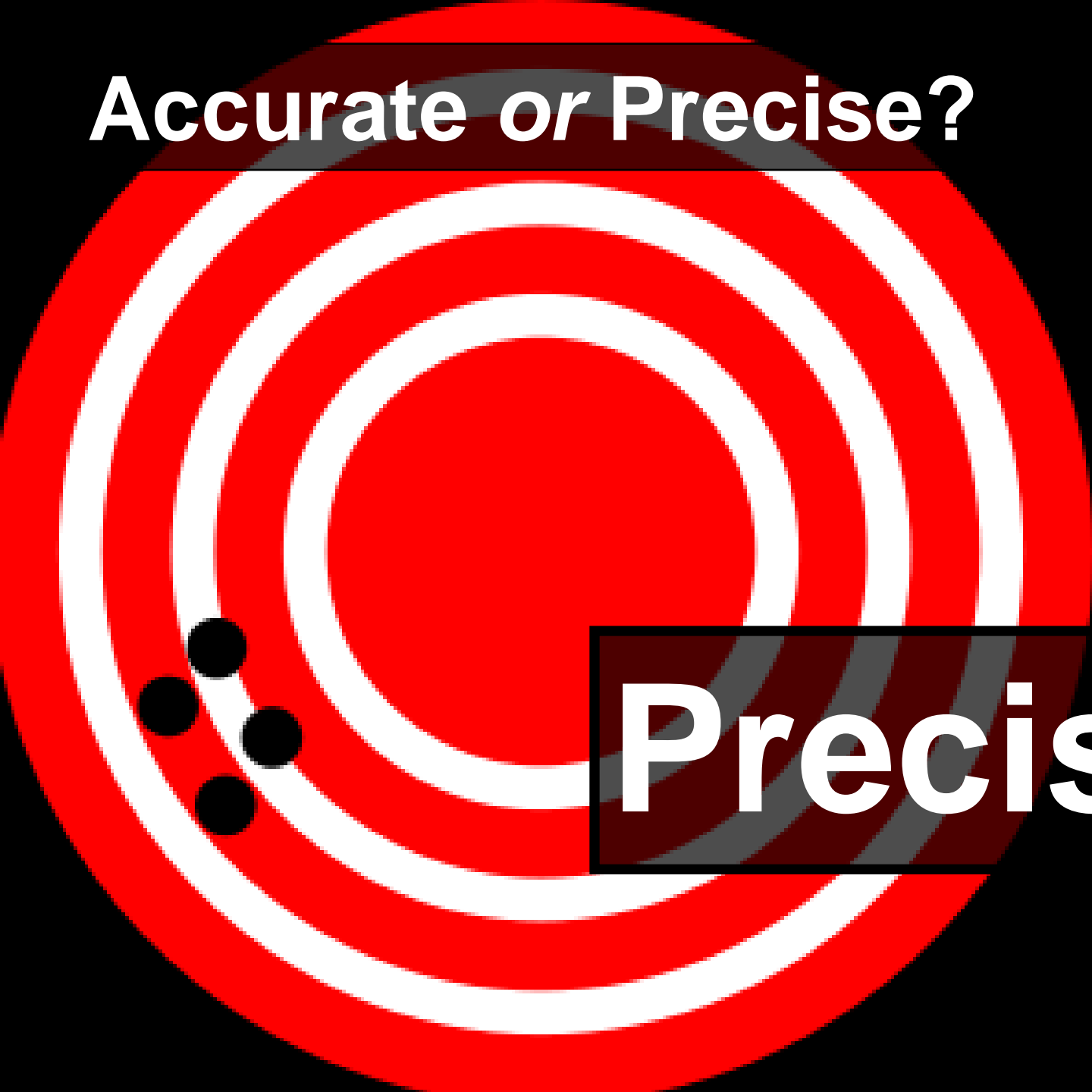
Accuracy vs. Precision.

Write your own definitions...





Accurate *or* Precise?



Precise!

Assignment:

Sphere Poster (10pts)

- Create a poster illustrating and Explaining Earth's 4 spheres.

Include:

- **4 Color Drawings (4 pts)**
- **4 Captions (4 pts)**
- **Effort. (2pts)**

Reflection

1. What are two things you have learned (any class) that you found surprising?
2. What are you **PROUD** of? (“Nothing” is not an acceptable answer)
3. What is your **grade** in this class?
4. Explain three reasons why you are getting this grade?
5. Are you happy with your grade? WHY?
6. What can you do to keep this grade or improve upon it?
7. How much credit would you get for an incomplete assignment?