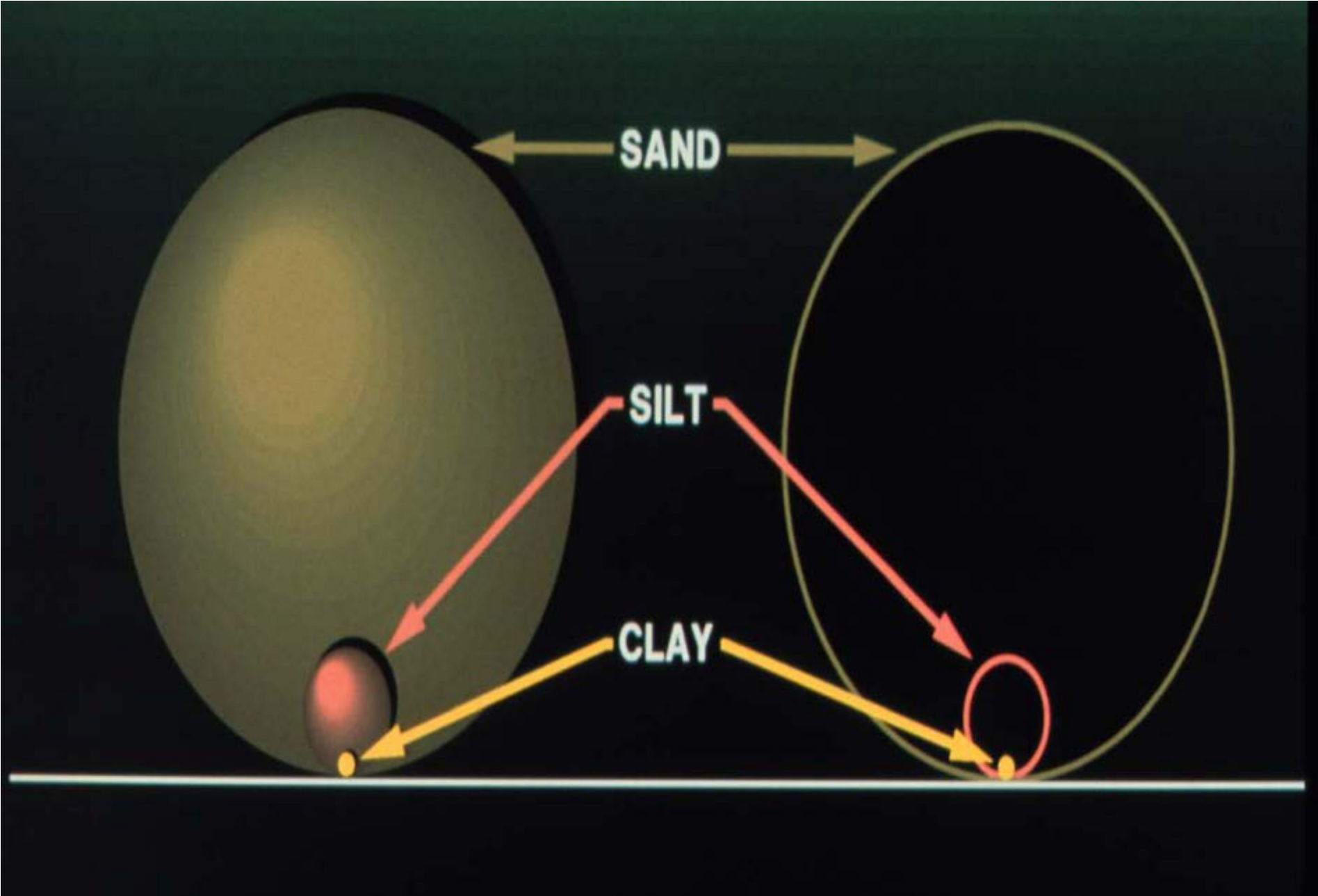


Soil Texture

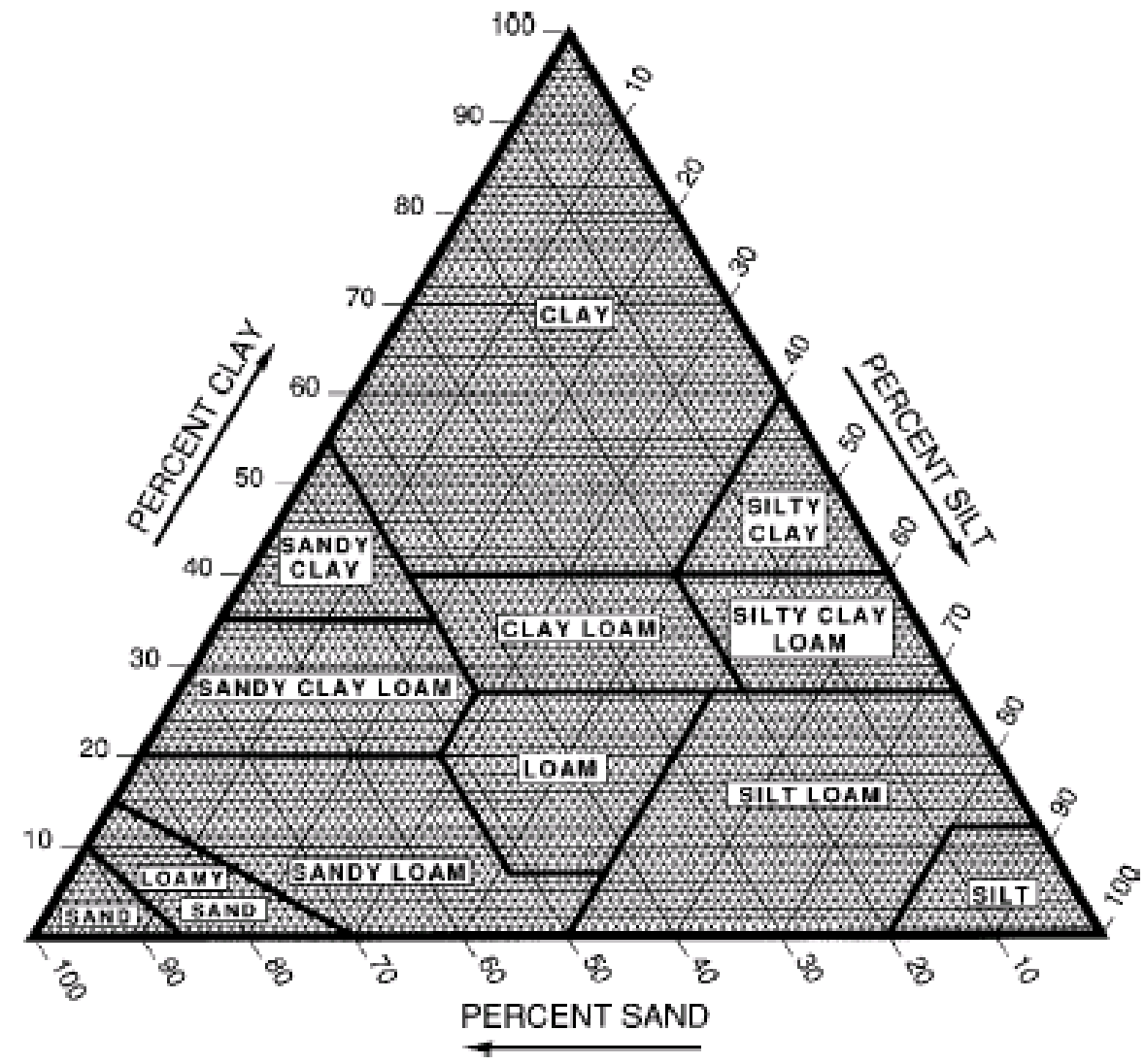


Soil Texture

- Definition (USDA) - the weight proportion of the soil separates less than 2.0 mm in size (sand, silt, and clay). Or, more commonly, the relative proportions of sand, silt, and clay
- Sand = 2.0 to 0.05mm
- Silt = 0.05 to 0.002mm
- Clay = < 0.002mm
- Sand, silt, and clay in various proportions make up 12 textural classes



USDA Textural Triangle



USDA Textural Triangle Example

Textural Class

The percentage of sand sized particles
+ % of silt sized particles
+ % of clay sized particles

Example:

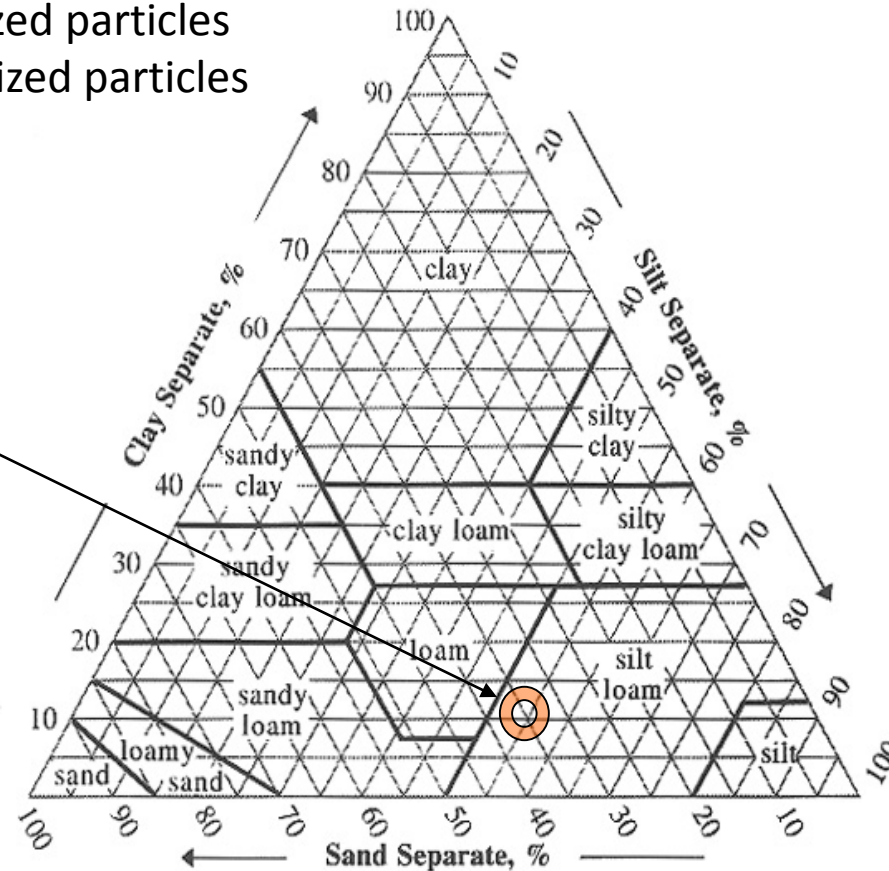
35 % sand
55 % silt
10 % clay

Texture is **'silt loam'**

Clay < .002 mm

Sand 0.05 - 2.0 mm

Silt 0.002 to .05 mm



Coarse Fragments

- Mineral particles larger than 2.0 mm = rock fragments (gravels, stones, or boulders)
- Modifiers = 0 - 15%, 15 - 35%, 35 - 60%, 60-90%, > 90%

Coarse Fragments

Gravels: 2.0 to 75 mm



Cobbles: 76 to 250 mm



Coarse Fragments

- **Stoney:** 250 to 600mm
- **Boulders:** 600mm+



TEXTURAL CLASSES BY “FEEL” METHOD

