

Soil texture:

The way soil feels. (INFORMALLY)

The size of soil particles (FORMALLY)

Sand (biggest)

Silt (medium)

Clay (smallest)

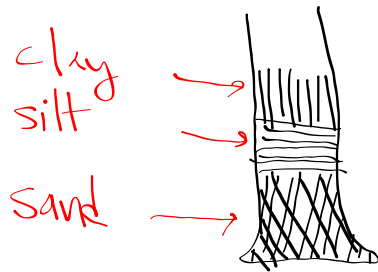
} mineral
component of soil
texture is the
% of each

different amounts of sand/silt/clay
have different names

MEASURING SOIL TEXTURE ☺

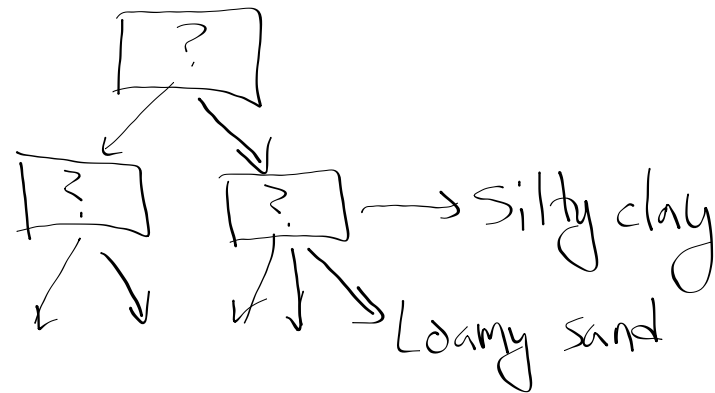
Soil settling:

Larger particles (sand)
will sink to the
bottom of water more
quickly than silt/clay



Hand-texturing:

Using the soil feels/
acts in order to
estimate particle sizes



To measure by settling:

①

In pairs, fill up a cylinder to about 30/40 mL with soil + add H_2O to 50 mL

Break

Let sit for 5 minutes

Stir gently - wait 2-3 minutes

Record height of soil

• Shake for 2 min

• Wait 2 min & record height of sand

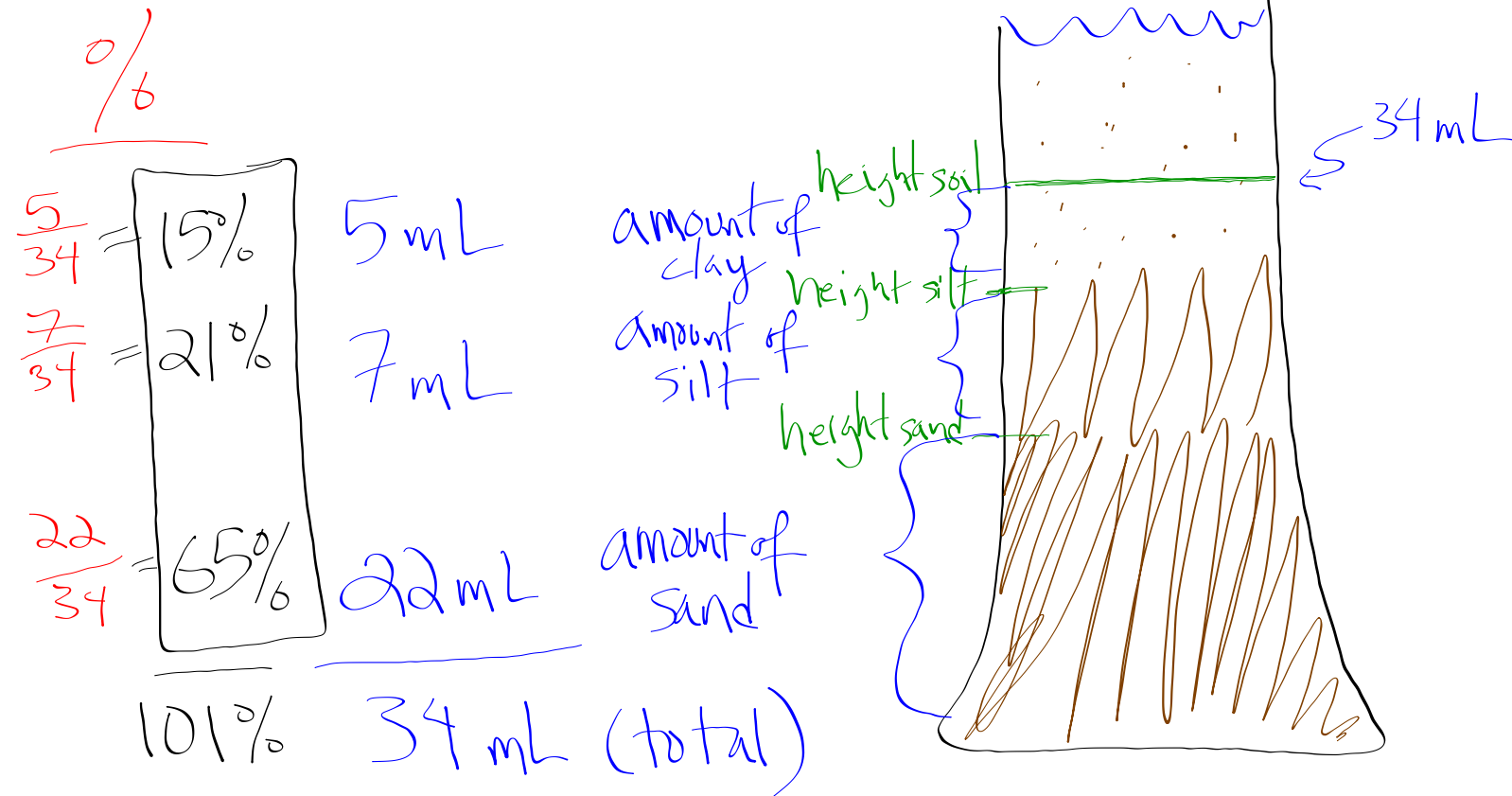
Label your cylinder, set it in the back

5-6 min

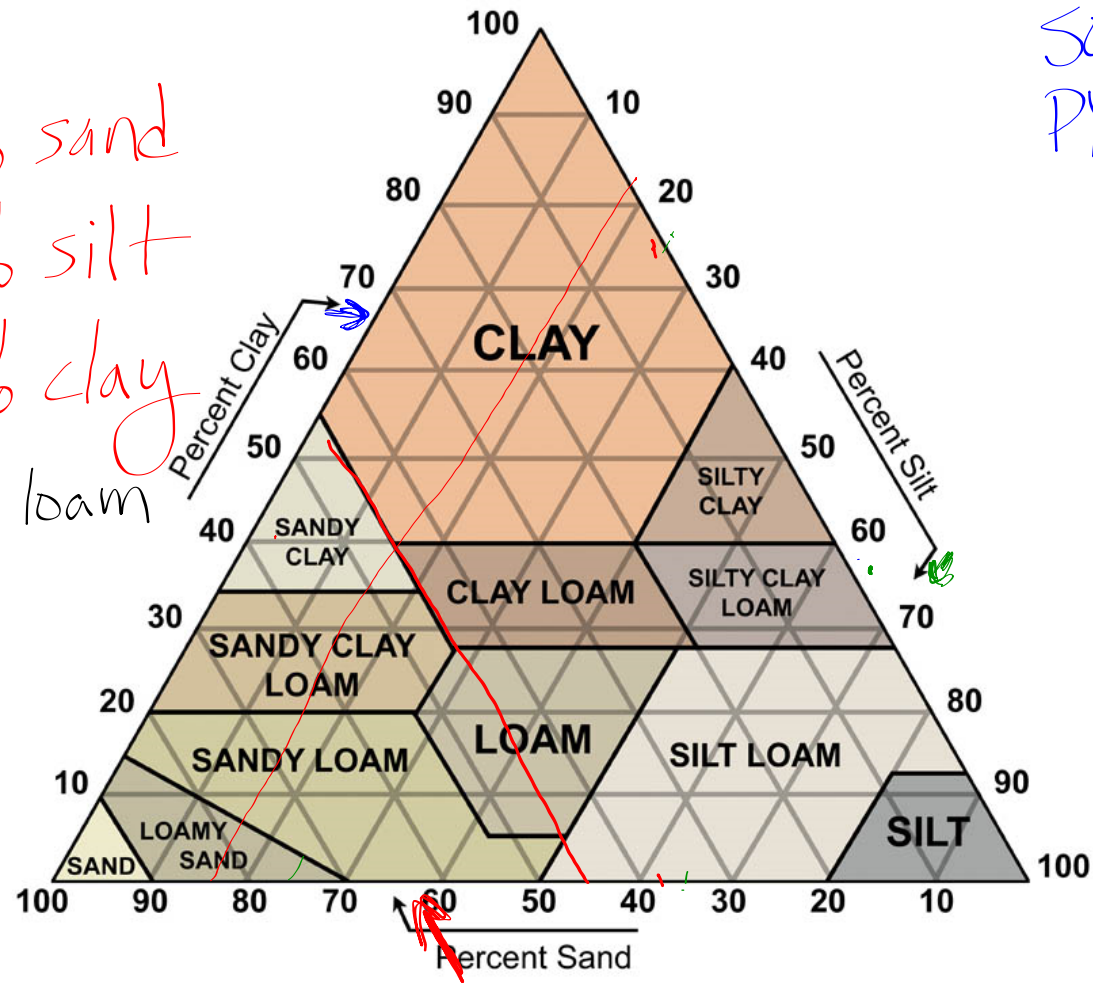


Hand-texturing:

- You and your partner should follow the flowchart
- Record the soil name(s)
- All soil (except in cylinders) back in the bucket
- Clean everything thoroughly
- Record info on socratic (99851)



18% sand
63% silt
19% clay
= silt loam



SOIL TEXTURE
PYRAMID...

40% sand
22% silt
38% clay
= clay loam