

## “Field Note” Sample Descriptions

*These food descriptions are in geologic “Field Note” style. Therefore, they may be short and sometimes cryptic. Use of geologic terms will encourage students to stretch their minds.*

1. Sample is a thin layer. There is a golden matrix surrounding tan rounded or broken inclusions. The inclusions have a reddish brown rim or crust.
2. Sample consists mainly of white, soft rounded to angular blebs completely surrounded by a uniform dark brown matrix.
3. Sample is a solid dark brown dense mass with no obvious fusion crust.
4. Sample has a homogeneous light brown interior with a few small vesicles. The exterior looks like a fairly regular, dark brown fusion crust with some patterning.
5. Sample appears to have been distorted. The dominant phase is made of rounded light tan fragments containing many void spaces. A dark brown thin layer fills spaces between some rounded fragments. There are some large foreign inclusions.

6. Sample is totally dark brown with two phases. The dominant phase is shiny and crumbly. The other phase is dense and slightly lighter in color. A light fusion crust appears on only one side.
7. **Outside:** Thin medium-brown layer with ripple-marks on the bottom  
**Inside:** **Bottom** - (~1/3) flat dense buff layer  
**Top** - (~2/3) pebbles consolidated in a fine grained tan matrix
8. **Outside:** Thin medium brown layer with wavy ripple marks on the bottom  
**Inside:** **Bottom** - dense dark buff layer  
**Top** - shiny, smooth, medium tan layer
9. **Outside:** Medium brown layer, thin on the bottom, the thicker top contains angular inclusions  
**Inside:** Thin alternating horizontal layers of smooth dark brown and fragmented dark brown
10. Dense medium brown sample, flat on the bottom with three parallel ridges on top.

11.     **Outside:**       Thin medium brown layer with wavy ripples on the bottom  
          **Inside:**        **Bottom** - poorly consolidated light tan porous layer  
                          **Top** - shiny smooth medium tan layer
12.     **Outside:**       Thin medium brown layer  
          **Inside:**        Poorly consolidated, friable, shiny to dull golden platy fragments
13.     **Outside:**       Medium brown layer, very thin on bottom and side, thicker on top with large wavy ripples  
          **Inside:**        Thin dense layer of shiny light-golden unfractured material
14.     **Outside:**       Thin, medium brown, edges higher on outside of top, sides slanted  
          **Inside:**        Smooth material that is yellowish brown and sticky
15.     Four segments of layered material.
- Outside:**       Thin, medium brown  
          **Inside:**        Alternating light and medium colored material
16.     Solid medium brown throughout, single dense layer with a valley or dip in the top.

17. Sample consists of unconsolidated pebbles with various colors and regular shape. Each individual pebble has a medium brown interior with a thin, hard colored shell.
  
18. Sample has a thin layer of dense brown material, containing very light inclusions at the bottom. The sample top has a depression in the middle with a ridge on each side.
  
19. Sample is a rectangular layer of rounded light pebbles surrounded by a thin coating of medium brown. Some yellowish brown sticky material is above the pebbles.
  
20. Sample interior consists of white, moist-looking fragments. These are surrounded by a dark brown exterior layer.
  
21. Irregular sample.
 

<b>Outside:</b>	Bumpy medium brown
<b>Inside:</b>	Yellow brown solid material resting on light tan fragments, some large tan fragments are found near the top
  
22.
 

<b>Outside:</b>	Dense layer of medium brown with a dip in the top
<b>Inside:</b>	Light tan pebbles that have settled to the bottom
  
23. Dense sample of medium brown material, rounded on the top and flat on the bottom, with a few light brown pebble inclusions.