

Name: _____

Fuel Properties Experiment

Examine the three pans filled with soil and fuels. Draw each one below and make some notes about what you think will happen when each is set on fire.

Tray 1

Tray 2

Tray 3

Observe each pan as it burns. Make notes about how it burns, the type of flames you see, what fuels burn first, how fast they burn, and anything else you notice.

Tray 1

Tray 2

Tray 3

Name: _____

Fuel Properties Homework

Complete the following to record what you have learned about fuel properties. This will be important for you to refer back to in future lessons. Draw and make notes about each. Include how they burn.

Fuel Location

| | |
|---------|--|
| Crown | |
| Surface | |
| Ground | |

Fuel Load

| | |
|----------------|---------------|
| High fuel load | Low fuel load |
|----------------|---------------|

Fuel Size and Shape

| | |
|------------|-------------|
| Fine fuels | Heavy fuels |
|------------|-------------|

Fuel Compactness

Loosely arranged fuels

Densely arranged fuels

Fuel Arrangement

Fuels arranged vertically

Fuels arranged horizontally

Fuel Moisture Content

Dry fuels

Moist fuels

Fuel Continuity

Fuels are continuous

Fuels are patchy