Name .................................................. **SOIL COMPARISON AND TESTING** Date: .................

**We compare the soils by look, feel and discussion of our findings**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **SOIL A** **Location:** | **SOIL B Location:** | **SOIL C Location :** |
| Texture |  |  |  |
| Colour |  |  |  |
| Appearance |  |  |  |
| Predict: |  |  |  |

**Test your predictions. How well will each sample hold water?**

1. Use a small amount of water in a jug or cup
2. Pour the water onto the first soil sample
3. Observe how well the soil holds the water and lets it move throughout.
4. Write down what you observe.
5. Do it again with another soil sample

|  |  |  |  |
| --- | --- | --- | --- |
|  | **SOIL A** **Location:** | **SOIL B Location:** | **SOIL C Location:** |
| Predict |  |  |  |
| Predict: |  |  |  |

Name .................................................. **SOIL COMPARISON AND TESTING** Date: .................

**We compare the soils by look, feel and discussion of our findings**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **SOIL A** **Location:** | **SOIL B Location:** | **SOIL C Location :** |
| Texture | Gritty, sandy, | Sticky, some of sticks together when you squeeze it | Soft, moist, not sticky |
| Colour | Light grey | Browns and cream | Dark brown |
| Appearance | Sand, bits of grass and leaves, very small pebbles, dry | Bits of rock and pebbles as well as soil | Broken down leaves and twigs and soft soil |
| Predict: | We think this is mostly sandy soil. | This is mostly clay soil | This is good garden soil |

**Test your predictions. How well will each sample hold water?**

1. Use a small amount of water in a jug or cup
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|  |  |  |  |
| --- | --- | --- | --- |
|  | **SOIL A** **Location:** | **SOIL B Location:** | **SOIL C Location:** |
| Predict | The water will run straight through.  The water only wets the sand that it touches.  Sandy soil does not hold water well | The water will be held but it won’t move easily through the soil. It will just sit there. | The water runs easily through every part of the soil but is also held by the soil. |
| Predict: | We think this is mostly sandy soil. | This is mostly clay soil | This is good garden soil |