Teacher Key

**Table 1: Data will vary**

**OBSERVATIONS:**

|  |  |  |
| --- | --- | --- |
|  | **Sand** | **Soil with Grass** |
| **Beginning** | **1. Outdoor:****2. Indoor:** | **1. Outdoor:****2. Indoor:** |
| **After ½ hour** | **1. Outdoor:****2. Indoor:** | **1. Outdoor:****2. Indoor:** |
| **After 1 hour** | **1. Outdoor:****2. Indoor:** | **1. Outdoor:****2. Indoor:** |
| **After 2 hours** | **1. Outdoor:****2. Indoor:** | **1. Outdoor:****2. Indoor:** |

**Table 2:**

**Temperature:**

|  |  |  |
| --- | --- | --- |
|  | **Sand** | **Soil with Grass** |
| **Beginning** | **1. Outdoor:****2.Indoor:** | **1. Outdoor:****2. Indoor:** |
| **After ½ hour** | **1. Outdoor:****2. Indoor:** | **1. Outdoor:****2. Indoor:** |
| **After 1 hour** | **1. Outdoor:****2. Indoor:** | **1. Outdoor:****2. Indoor:** |
| **After 2 hours** | **1. Outdoor:****2. Indoor:** | **1. Outdoor:****2. Indoor:** |

**Questions:**

**1. Does sand cool down quicker, or does the soil with grass?**

Soil with grass

**2. Does the sand and soil cool down quicker in the sun or in the shade?**

Shade

**3. What makes the shade cool?**

No light is accessed under the shade

**4. Where does the heat come from?**

Sunlight

**5. Is it better to stand in the sun or in the shade on a hot day? Explain.**

It is better to stand in the shade because it will be cooler since there is less sun hitting you, meaning less heat.