**MINERAL STATION LEARNING** NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Station 1: Cubic Crystal Type**

|  |  |  |
| --- | --- | --- |
| **Description** | **Drawing** | **Mineral Examples** |
|  |  |  |

**Station 2: Orthorhombic Crystal Type**

|  |  |  |
| --- | --- | --- |
| **Description** | **Drawing** | **Mineral Examples** |
|  |  |  |

**Station 3: Monoclinic Crystal Type**

|  |  |  |
| --- | --- | --- |
| **Description** | **Drawing** | **Mineral Examples** |
|  |  |  |

**Station 4: Triclinic Crystal Type**

|  |  |  |
| --- | --- | --- |
| **Description** | **Drawing** | **Mineral Examples** |
|  |  |  |

**Station 5: Trigonal Crystal Type**

|  |  |  |
| --- | --- | --- |
| **Description** | **Drawing** | **Mineral Examples** |
|  |  |  |

**Station 6: Hexagonal Crystal Type**

|  |  |  |
| --- | --- | --- |
| **Description** | **Drawing** | **Mineral Examples** |
|  |  |  |

**Station 7: MINERAL GROWTH**

Minerals can grow by:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Station 8: MINERALS SPECIAL CHARACTERISTICS**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Station 9: MINERAL COMPOSITION**

Only about \_\_\_\_\_\_\_ minerals are abundant. \_\_\_\_\_\_% of crustal minerals mass is from \_\_\_\_ elements.

|  |  |  |
| --- | --- | --- |
| **Symbol** | **Element Name** | **%** |
| **O** |  |  |
| **Si** |  |  |
| **Al** |  |  |
| **Fe** |  |  |
| **Ca** |  |  |
| **Na** |  |  |
| **K** |  |  |
| **Mg** |  |  |
| **All others** | ----------------------------------------- |  |

**Station 10: MINERAL CLASSIFICATION**

|  |  |  |
| --- | --- | --- |
| **NAME** | **FORMULA** | **EXAMPLE** |
| **Silicates** |  |  |
| **Oxides** |  |  |
| **Sulfides** |  |  |
| **Sulfates** |  |  |
| **Halides** |  |  |
| **Carbonates** |  |  |
| **Native Elements** |  |  |

**Station 11: Where do Mineral Deposits Come From?**

Write a paragraph to answer the question using information found at the station to support your writing.

**Station 12: See Teacher for your 3D Building Pattern. Color your pattern. Cut out the pattern. Fold and tape to make your model. Turn in finished model to your teacher.**