Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_

**Microscopic Kingdom Exploration**

**Directions:** You will be using the microslide viewers to investigate different organisms. The microslide viewers are photographs from microscope views of different organisms. You will:

1. Draw the organisms
2. Write a short but detailed description.
3. Use clues to decide which kingdom the organism represents.

**ABCD’s of Microscope Drawing:**

|  |  |  |
| --- | --- | --- |
| A | Accurate | Draw what you see, include everything in the view. You do not have to be an artist, but this in NOT abstract art. |
| B | Big | Fill the space. The circle for your drawing should be the entire field of view. If the organism only fills a tiny portion, focus on the organism and fill the space. |
| C | Colorful | Use colored pencils. Make the picture resemble what you see under the microscope. |
| D | Descriptive | Label the structures that you see (if possible). The picture should be like a photograph of what you are seeing under the microscope. |

**Picture:**

|  |  |
| --- | --- |
|  | **Description:** |
| **Kingdom:** | **Clues:** |

**Hint:** These organisms love extreme places.

**Slide 214:**

|  |  |
| --- | --- |
| **View 6:** | **Description:** |
| **Kingdom:** | **Clues:** |

**Hint:** These heterotrophs prefer to decay those around them.

**Slide 11:**

|  |  |
| --- | --- |
| **View 1:** | **Description:** |
| **View 2:** | **Description:** |
| **Kingdom:** | **Clues:** |

**Hint:** These organisms are autotrophic.

**Slide 19:**

|  |  |
| --- | --- |
| **View 1:** | **Description:** |
| **View 7:** | **Description:** |
| **Kingdom:** | **Clues:** |

**Hint:** Leeuwenhoek was fascinated with View 1.

**Slide 10:**

|  |  |
| --- | --- |
| **View 1:** | **Description:** |
| **View 2:** | **Description:** |
| **Kingdom:** | **Clues:** |

**Hint:** These views are all from the same heterotroph.Look at all of the views, they are very interesting to you.

**Slide 222:** *Pick 2 pictures to draw, but look at all of them.*

|  |  |
| --- | --- |
| **View 1:** | **Description:** |
| **View 2:** | **Description:** |
| **View 6:** | **Description:** |
| **View 8:** | **Description:** |
| **Kingdom:** | **Clues:** |

**Hint:** These are all in the same kingdom, but have few characteristics the same.