Classification

Watch the Bozeman science video. It is six minutes long but leave about 15 minutes to do this as you will want to pause as you go along to write down your answers

<http://www.youtube.com/watch?v=tYL_8gv7RiE>

1. Into what two categories is Linnaeus divide living things?
2. Carl Woese came up with the three domain system in 1990. What is the huge shift?
3. What was the problem with the way Linnaeus grouped living things?
4. What is the rescuer of this problem? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Binomial nomenclature gives each organism \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. What was the pneumonic to remember the classification system? And what do they stand for? I did the first one for you…

|  |  |  |  |
| --- | --- | --- | --- |
| **Classification**  |  | **Pneumonic word** | **Mountain Lion** |
| Domain | D | Dumb | Eukarya |
|  | K |  |  |
|  | P |  |  |
|  | C |  |  |
|  | O |  |  |
|  | F |  |  |
|  | G |  |  |
|  | S |  |  |

1. What two levels of the classification system serve as the animal’s scientific name? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Fill in the chart above for the mountain lion.
3. What special way do we write scientific names? Show how below by using the example he uses of the mountain lion: