## Powers of 10 Summary Activity (Fold Page in Half)

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| Zooming OUT  |  |  |  | | --- | --- | --- | | **Object or scene** | **measurement** | **scientific notation** | | Picnic | 1 meter | 100 m | | City |  |  | | Lake Michigan |  |  | | The Midwest |  |  | | Earth |  |  | | Orbit of the Moon |  |  | | The Sun |  |  | | The Solar System |  |  | | Milky Way Galaxy |  |  | | Virgo Cluster of Galaxies |  |  | | Limit of our Vision |  |  | | Zooming IN  |  |  |  | | --- | --- | --- | | **Object or Scene** | **Measurement** | **Scientific Notation** | | Man’s hand |  |  | | Outer layer of cells |  |  | | A white blood cell |  |  | | DNA |  |  | | Atoms |  |  | | Electrons |  |  | | Nucleus of a Carbon atom |  |  |   **Discuss**: What happened as we zoomed out and in with the video? How did it change our view of the world - our *perspective*? |

**Response (page \_\_\_) Answer the 6 questions**

1. What is your address...in the Universe?
2. When you want to add three zeros to a number, such as going from 1,000 to 1,000,000, how many powers of 10 are required?
3. What is the difference between a billionth and a billion?
4. When you write out 103, do you write the zeros before or after the 1? Show this.
5. When you write out 10-3, do you write zeros before or after the 1? Where does the decimal point go? Show this.