**Lesson 1: A Spotter’s Guide to the Universe - research in books and/or online to find the missing information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Object** | **Description** | **Where is it found or how far away is it?** | **Can it be seen with the naked eye?** | **A picture or video link of the object:** |
| Artificial satellite | A spacecraft, made by humans, orbiting the Earth or another planet | Hundreds to thousands of kilometers from Earth | Yes, if it is big enough |  |
| International Space Station |  | 400-500km above the Earth | Yes |  |
| Meteor | A piece of space rock or dust that burns up above Earth’s surface | In the atmosphere |  |  |
| Meteorite | A piece of space rock that reaches Earth’s surface |  |  |  |
| Asteroid |  | Mainly in the asteroid belt between Mars and Jupiter | No |  |
| Comet |  |  | Sometimes |  |
| Major Planet |  |  | YES - Mercury, Venus, Earth, Mars, Juipter, Saturn  NO - Uranus, Neptune |  |
| Minor Planet |  |  |  |  |
| Extrasolar planet |  |  |  |  |
| Moons |  |  |  | <https://solarsystem.nasa.gov/moons/overview/> |
| Stars |  |  |  |  |
| Galaxies |  |  |  |  |
| Galaxy Clusters |  |  |  | <https://imagine.gsfc.nasa.gov/science/objects/clusters.html> |