

Deep Sky Objects

Chapter 7

Deep Sky Objects

- **Star clusters**
 - 20-100 stars physically bound by gravity
 - Best viewed with low power to maximize the FOV
- **Globular star cluster**
 - 100,000 to 1 million stars bound in a sphere
 - Best viewed with moderate magnification
- **Diffuse Nebula**
 - Large gas cloud responsible for producing stars
 - Best viewed with low power to yield large magnification
- **Planetary Nebula**
 - Small gas cloud formed by star's death
 - Best viewed with moderate to higher magnifications
- **Galaxy**
 - Contains over 100 billion stars, gas and dust
 - Best viewed with low to moderate magnification

Deep Sky Lab

- **Sketch**
 - **2 open clusters**
 - **1 globular cluster**
 - **2 galaxies**
 - **1 diffuse nebula**
 - **2 planetary nebula**
- **Provide the following information**
 - **sketch, type of object, name of object**

Naming Deep Sky Objects

- **Messier List**
 - **Messier was a comet hunter**
 - **Compiled a list of 110 brightest objects**
 - **M1 - M110**
 - **Randomly organized**
- **New General Catalogue**
 - **Formal method of naming deep sky objects**
 - **NGC numbers organized according to RA**

Hubble's Galaxy Classification

