

Star Colors Earth & Sky
--

Name: _____

Introduction

In this activity you will investigate star colors in the night sky.

Pre-test

1. What colors are the stars we see at night?

Looking for color

You should be familiar with using a planisphere from an earlier activity. You may want to use one during this activity to help find and name stars.

1. Using Figures 1–4, find each of the stars listed below, and note write down what color it appears to you. If the star is not visible when you are observing, make a note of it.

Vega:

Deneb:

Altair:

Dubhe:

Merak:

Algenib:

Scheat:

Capella:

Arcturus:

Post-test

1. What colors are the stars we see at night?

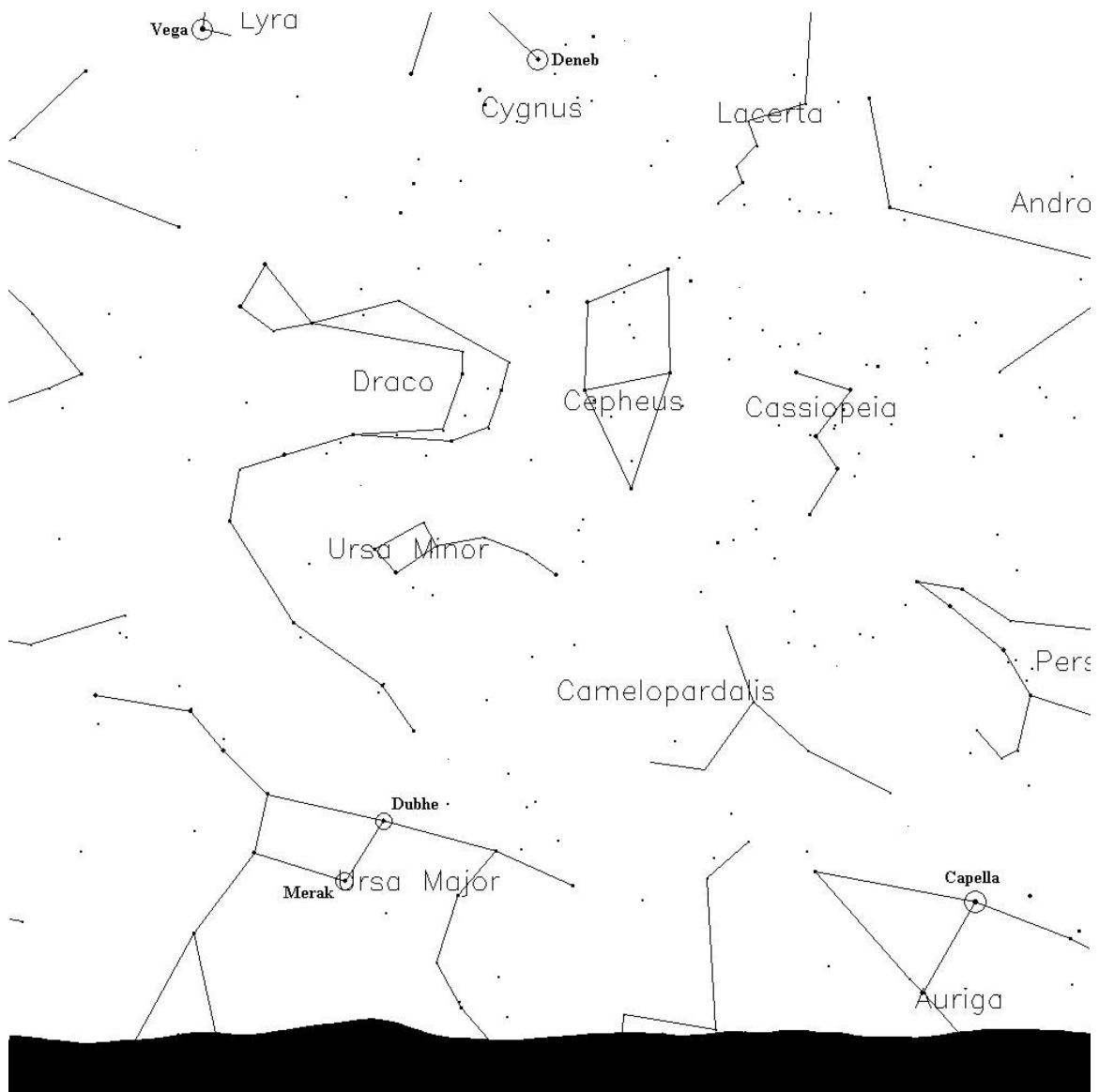


Figure 1: Looking north at 9pm on October 1st. (Image from <http://www.fourmilab.ch/yoursky>.)

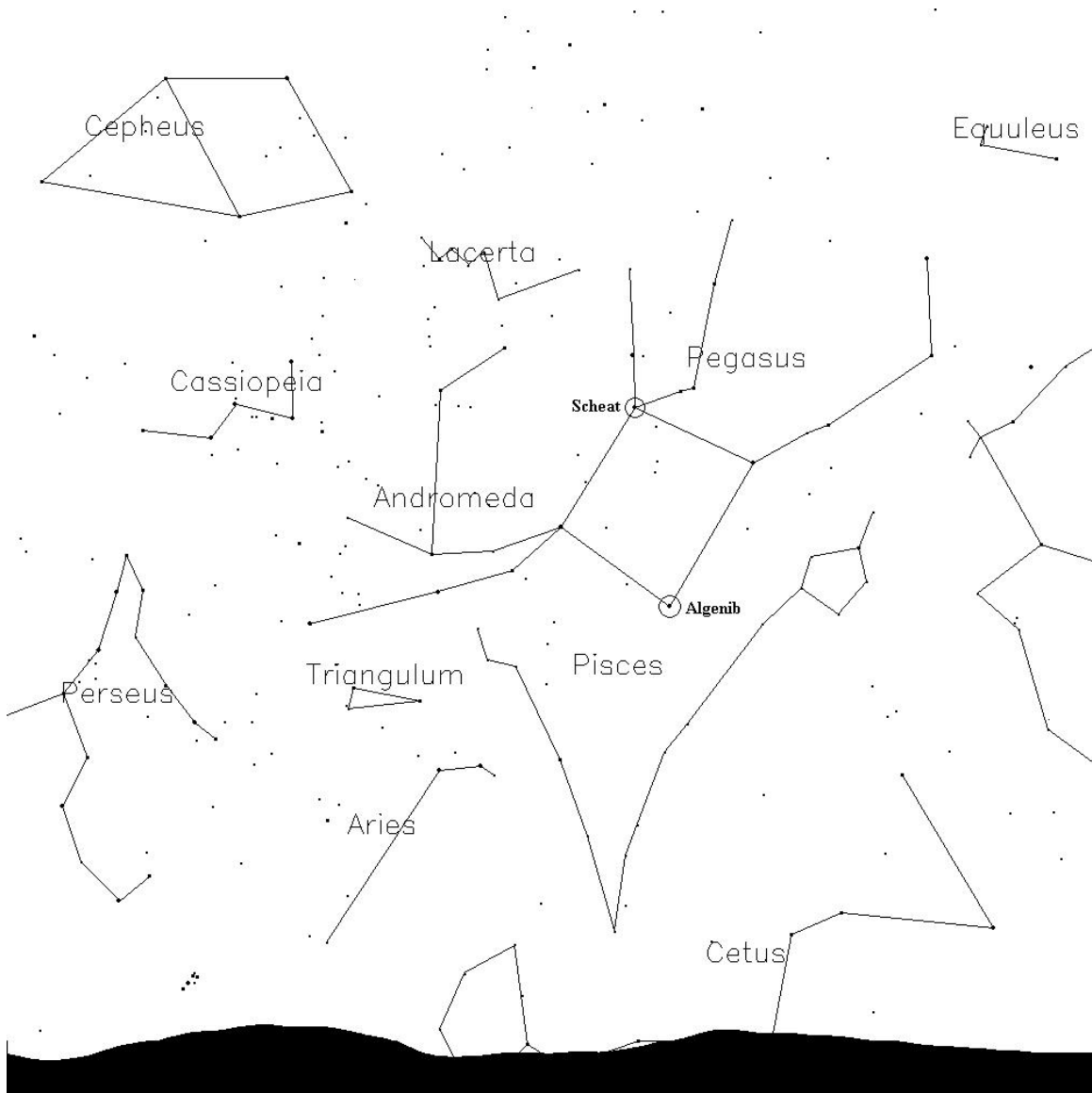


Figure 2: Looking east at 9pm on October 1st. (Image from <http://www.fourmilab.ch/yoursky>.)

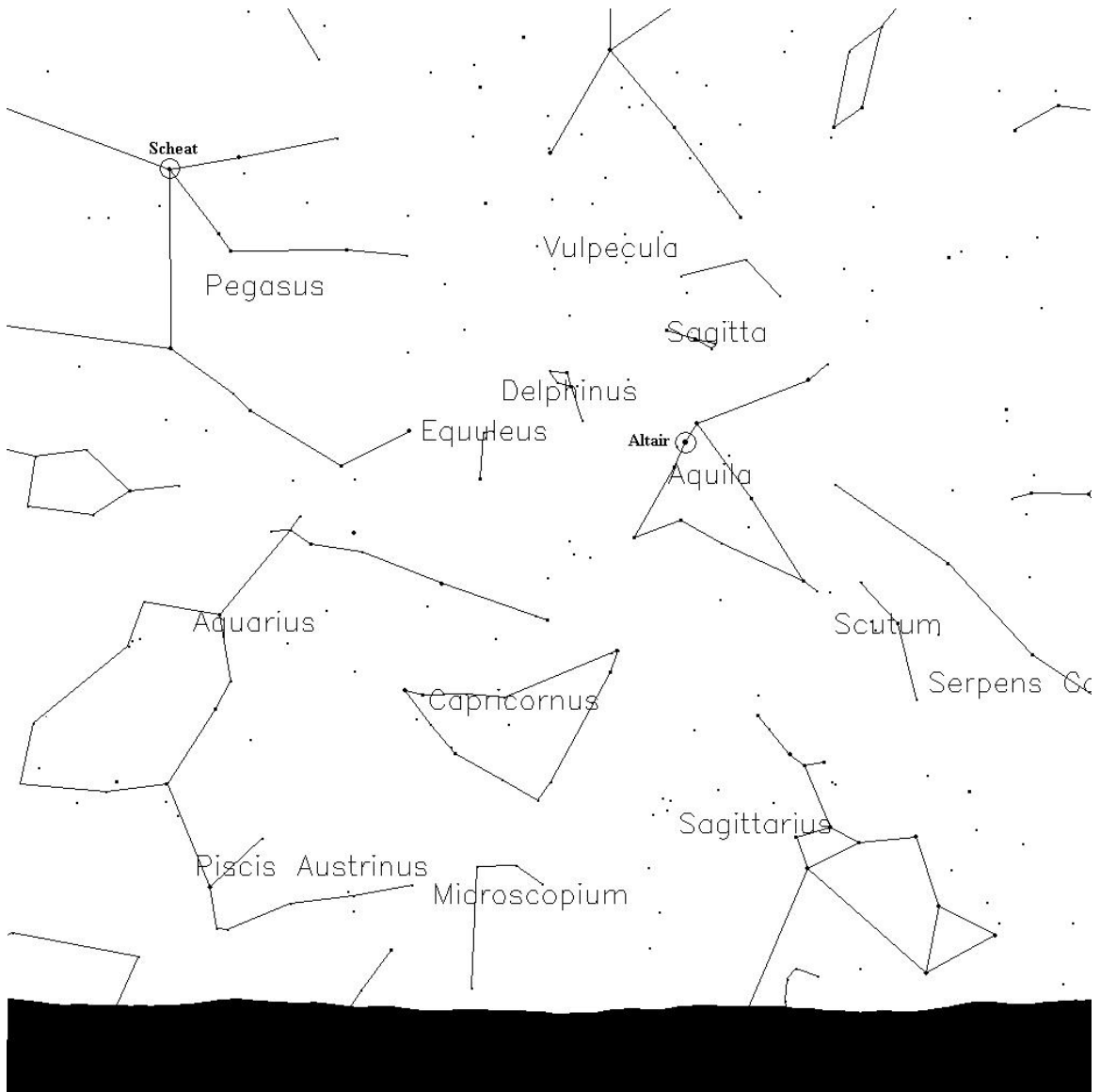


Figure 3: Looking south at 9pm on October 1st. (Image from <http://www.fourmilab.ch/yoursky>.)

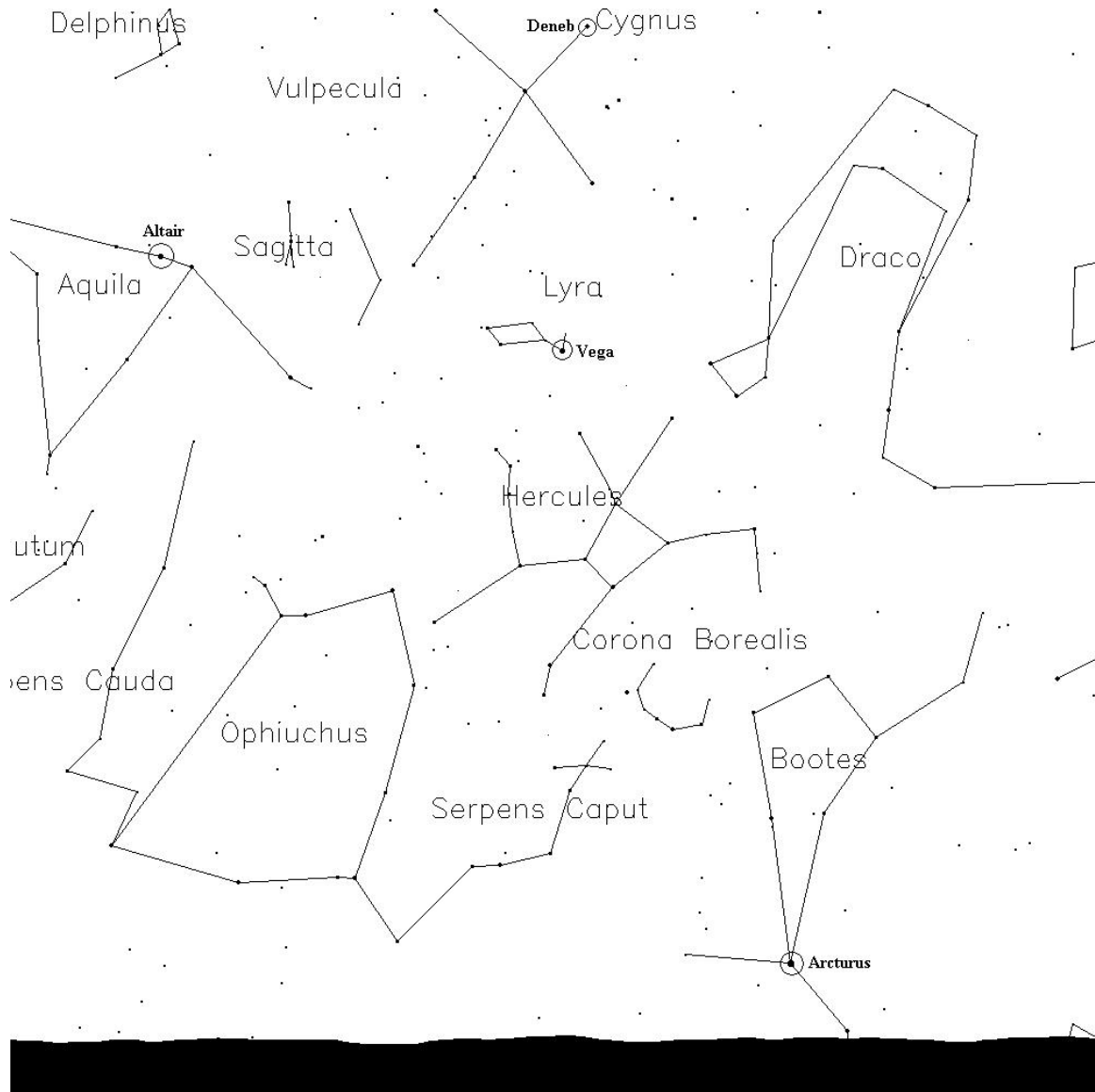


Figure 4: Looking west at 9pm on October 1st. (Image from <http://www.fourmilab.ch/yoursky>.)