

Sights & Sounds of the Sky

Student Worksheet for *Rainbow Body*

NAME _____ DATE _____

SECTION 1: To Boldly Go Where No One Has Gone Before

Uncover the answers to the missing items in the story below about a powerful telescope that can see billions of light years away and the important person it's named after.

On April 24, 1990, the National Aeronautics and Space Administration (NASA) launched the space shuttle *Discovery* carrying one of the most famous telescopes ever made, the Hubble Space Telescope. This giant telescope orbits the Earth 353 miles above the surface, and it can take better pictures in space because it is above the Earth's atmosphere. The telescope is named for American astronomer Edwin Hubble, and he is important because he changed our understanding about the universe and proved the existence of the galaxy, which is a group of stars, gas, and dust held together by gravity. Earth is located in one called the Milky Way, and the astronomer discovered there were three types in the universe: 1. spiral, 2. elliptical and 3. irregular.

SECTION 2: Someday I'll Wish upon a Star

As you listen to the theme of *Rainbow Body* by Christopher Theofanidis, trace the **contour**, or shape, of the melody by connecting the dots below. Once you get to the end of a line, start at the beginning of the next one.

The image shows three musical staves, each with a treble clef. The first staff has 15 red dots connected by a red line, forming a contour that starts on a middle line, dips, rises to a peak, dips again, and then fluctuates between middle and high lines. The second staff has 15 red dots connected by a red line, forming a contour that starts on a middle line, dips, rises to a peak, dips, rises to a higher peak, dips, and then fluctuates between middle and high lines. The third staff has 8 red dots connected by a red line, forming a contour that starts on a middle line, rises to a peak, dips, rises to a higher peak, dips, and then fluctuates between middle and high lines. A double bar line is at the end of the third staff.