

# Lesson 2: Starting Your Star Journal

Let's get to work on your star journal! Marshall takes you back to modern times to meet a real-life astronomer named DK. DK will teach us the basics of skywatching. First up: How to write observations about the things we see in the sky.

#### RESOURCES INCLUDED WITH THIS LESSON:

- Review Questions from Episode 1
- Star Journal Pages with Questions adapted from the episode
- Reflection Questions



## **Review Questions from Lesson 1:**

1) What did Shapley and Curtis each think about the universe?

2) Why did they think what they thought?



## Your Star Journal

It's time to go outside and take some observations of your own! Before you go out tonight, you'll need to make sure you have all the supplies you need. Double check to make sure you have:

- A flash light
- A pencil
- A sky observation notebook (printed out here, or a journal of your own)
- A pair of binoculars (if you have one!)
- Clothes that are good for going outside a jacket, good shoes, etc.

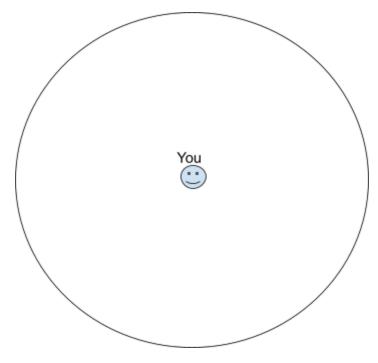
Also make sure the sun is down before you go outside.

You can use the following pages to take down your observations as you listen to the lesson, or you can use your own journal. Remember that when you're observing the sky, you can trust your instincts! Taking careful observations just means that you're paying attention to what you're noticing, and writing it down.



Entry 1:
Today's Date:
Time:
1) Identify four landmarks:
#1 -
#2 -
#3 -
#4 -
2) In the circle below, draw the location of each of your landmarks, relative to where

2) In the circle below, draw the location of each of your landmarks, relative to where you're standing. This will be your star map! (Note: if it's not big enough, you can draw a bigger one on a separate sheet of paper).



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3)	What's today's weather like? Note down a few things about the weather. How do you think it would affect what you can see in the night sky?
4)	On your star map, draw the location of the moon. Which landmark is it closest to? Is it in front of you? Behind you? To your left? To your right?
5)	Draw the constellation you see in your star map. Which landmark is <i>it</i> closest to?
6)	What "real" constellations do you already know about? Can you find them tonight? Draw them on your map. What landmark are they closest to?



### **Reflection Questions**

1)	Is there anything you noticed tonight that you'd never seen before?
2)	Why is it so important to take down the date and time when you're watching the sky?
3)	Is there anything you saw tonight that you think will be in a different place wher you look next time?
4)	Why do you think it's important to notice the weather? How can weather affect what we can see in the sky at night?
5)	Why do you think it's important to wait until it's dark out to watch the sky? Why can't you see stars during the day?

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