

## Exoplanet Detection

Links found at [fulmerphysics.weebly.com/resources.html](http://fulmerphysics.weebly.com/resources.html) under "Exoplanet Detection"

### A. The Methods + Brief Explanation/Diagram

1. \_\_\_\_\_

4. \_\_\_\_\_

2. \_\_\_\_\_

5. \_\_\_\_\_

3. \_\_\_\_\_

### B. New World Atlas

6. What detection method has led to the most exoplanets discovered?

7. What are the most common planets discovered by Kepler?

8. What types of planets are commonly discovered by a particular detection method? WHY?

9. What is the number of candidate and confirmed exoplanets?

10. What are the rarest trends you noticed? Why do you think?

C. **Latest News** Choose two articles. Write a brief summary of each. What new questions do you have pertaining to the topics the article addresses?

11. Article 1: \_\_\_\_\_  
Summary & Questions:

12. Article 2: \_\_\_\_\_  
Summary & Questions:

D. **Interactives:** Choose two of the NASA Interactives. How does it work? What is the point of the activity? What did you learn?

13. Interactive 1: \_\_\_\_\_

14. Interactive 2: \_\_\_\_\_

E. **Transit Demonstration:**

15. What are your observations from the transit activity? Why is the transit method commonly used? Why is direct imaging so difficult?