**Planetary Exploration A Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Exosolar Planet Detection and Kepler’s Earth-like Planets Date\_\_\_\_\_\_\_\_\_\_\_\_ Pd.\_\_\_\_\_\_**

***You will need to tell Chrome to allow the Flash Player to work!***

**1)** [**http://www.nbcnews.com/id/11022898#.UwSepfldWyU**](http://www.nbcnews.com/id/11022898#.UwSepfldWyU)

Using this interactive, **give 1-2 summarizing sentences for EACH of the *4 extrasolar (or exosolar) planet detection methods*** being used by scientists today to find possible homes for ETs around other stars.

1.

2.

3.

4.

**2)** [**http://www.nasa.gov/ames/kepler/nasas-kepler-discovers-first-earth-size-planet-in-the-habitable-zone-of-another-star/#.VO9YxPnF98E**](http://www.nasa.gov/ames/kepler/nasas-kepler-discovers-first-earth-size-planet-in-the-habitable-zone-of-another-star/#.VO9YxPnF98E)

Read this article about the first truly Earth-like exosolar planet discovered by the KST and list 1) a **minimum of 2 of its possible conditions or characteristics that are conducive to the existence of life** and 2) **another 2 that are likely bad news for life to exist on it**.

Good for life:

Bad for life:

Now with some clever Googling:
**3)** What does the more recently discovered Kepler 452b have over 186f when it comes to being more Earth-like? **A minimum of 3 sentences, please**.

**4)** Now, do the same thing you did in #3 for the 3 planets that were recently found in the habitable zone of the star called ***Trappist-1.*** In other words, **make a definitive, explanatory 3-4 sentence statement here about the chances the 3 planets HAVE AS A WHOLE for hosting life because of their currently known combination of good and bad conditions for life.**