

True or False

EXOPLANET DETECTION



1

Earth-like planets are easiest to detect around other stars as we understand them the best.

True

False

1

Earth-like planets are easiest to detect around other stars as we understand them the best.

True

False

2

JWST can observe the contents of the atmospheres of some exoplanets.

True

False

2

JWST can observe the contents of the atmospheres of some exoplanets.

True

False

3

When a planet is orbiting a star, it causes that star to appear to wobble to a distant observer.

True

False

3

When a planet is orbiting a star, it causes that star to appear to wobble to a distant observer.

True

False

4

Orbital force measurements of light from stars can be used to determine if they have planets.

True

False

4

Orbital force measurements of light from stars can be used to determine if they have planets.

True

False

5

A light curve is a plot of the brightness of a star over time.

True

False

5

A light curve is a plot of the brightness of a star over time.

True

False

6

If there is a planet orbiting a star, its light curve will have TWO dips in its light curve per orbit.

True

False

6

If there is a planet orbiting a star, its light curve will have TWO dips in its light curve per orbit.

True

False

7

Over 5000 exoplanets have been discovered around other stars.

True

False

7

Over 5000 exoplanets have been discovered around other stars.

True

False

8

No other star has been found with as many planets as the Sun.

True

False

8

No other star has been found with as many planets as the Sun.

True

False

9

The easiest exoplanet to find is large in size and orbiting close to its star.

True

False

9

The easiest exoplanet to find is large in size and orbiting close to its star.

True

False

10

There are no planets in the Solar System capable of supporting life of any form.

True

False

10

There are no planets in the Solar System capable of supporting life of any form.

True

False

11

The faster the velocity of an object the bigger the shift in wavelength.

True

False

11

The faster the velocity of an object the bigger the shift in wavelength.

True

False

12

It is possible to calculate the radius of a planet using a light curve.

True

False

12

It is possible to calculate the radius of a planet using a light curve.

True

False