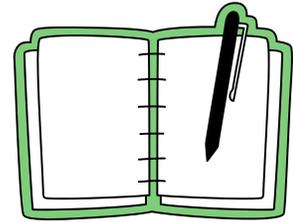


# WEEK FIVE

## EXOPLANETS AND LIFE BEYOND EARTH



### Biosignatures

#### 1. A biosignature is a...

- sign of life in a planet's atmosphere
- spaceship made of plant-based materials
- rock

Plants make \_\_\_\_\_.

Methane is also called \_\_\_\_\_.

Ozone is written as \_\_\_\_\_.

If we see *oxygen* and *carbon dioxide* together, the planet likely has \_\_\_\_\_.

### More Biosignatures

1. Which planets in the solar system have carbon dioxide in their atmosphere?

- Venus
- Earth
- Mars
- All of the above

2. Have we found alien life on other planets?

- Yes
- No



### Fermi Paradox

Fill in the blank with the missing letter to spell out a secret word!

Scientists study distant p\_\_anets using telescopes to look for b\_\_osignatures in atmospheres. The Fermi paradox asks why we have not \_\_ound aliens yet, even though the univ\_\_rse is so big.

Secret Word: \_\_ \_ \_\_ \_

### Drake equation

Circle True or False

**T/F:** The Drake equation shows that intelligent alien life must exist in the Milky Way Galaxy.

