

Name _____

1. What are three requirements for life as we know it to exist?
 - a. energy, plasma, and silicone
 - b. energy, plasma, and magnetic fields
 - c. energy, carbon, and methane
 - d. energy, heavy elements, and liquid

2. What does the Drake equation estimate?
 - a. the number of habitable planets in the Milky Way
 - b. the age of the oldest civilizations in the Milky Way
 - c. the number of advanced civilizations in the Milky Way
 - d. The survival time of advanced civilizations in the Milky Way

3. What is the approximate number of habitable planets in the Milky Way?
 - a. billions b. millions c. thousands d. hundreds

4. How many NASA confirmed exoplanets are there?
 - a. about 50 b. about 500 c. about 5000 d. about 50000

5. How old might the oldest extraterrestrial civilizations be?
 - a. thousands of years
 - b. millions of years
 - c. billions of years
 - d. trillions of years

6. The chemistry of life on earth is based on what element?
 - a. hydrogen b. carbon c. silicone d. oxygen

7. The region around a star where liquid water can exist is called the...
 - a. habitable zone b. twilight zone c. friendly zone

8. Where, besides earth, might life as we know it exist?
 - a. Io b. Europa c. Jupiter d. the sun

9. Besides radio, what technology might alien civilizations use to communicate?
 - a. gamma rays b. microwaves c. laser light

10. It is conceivable that lifeforms could exist deep inside the earth, with chemistry based on...
 - a. silicone b. gold c. uranium d. iron

11. On the Kardashev scale, what type of civilizations can utilize the energy output of a star?
 - a. type I b. Type II c. Type III

True or False
Circle one

12. Life has been verified on Mars.

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F

13. It has been verified that extraterrestrials have visited the earth in the past.

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14. Life forms could conceivably exist inside neutron stars.

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