

God Clearly Seen

All Scriptures from The Old and New King James Versions

Rom 1:18 For the wrath of God is revealed from heaven against all ungodliness and unrighteousness of men, who hold the truth in unrighteousness; **19** Because that which may be known of God is manifest in them; for God hath shewed it unto them. **20** For the invisible things of him from the creation of the world are clearly seen, being understood by the things that are made, even his eternal power and Godhead; so that they are without excuse:

A good illustration of this is from the DVD video *The Privileged Planet*. It was done by scientist who believe in “Intelligent Design”.

Water is necessary for life. It provides a medium for life to take hold. This water must be in a liquid form to allow moving processes to take hold.

The planet must be at a correct distance to allow oxygen to form in an atmosphere and water to remain in a liquid form. Too close and all water would vaporize and never become a liquid. Too far and it would become solid. This zone favorable for life is called the “Goldilocks Zone”.

The temperature of the planet must also be in a favorable zone. The liquid iron in the core helps with this. The fact it rotates also provides necessary protection from the many solar winds which would strip the atmosphere from the planet. This works by creating a strong magnetic field. This forms what is called the “Van Allen Belt”.

Having a moon around a planet also provides the engine to cause tidal movement in the oceans. This causes flows to form in the water which warms land conditions favorable for life. It’s distance from the planet must be in a correct zone.

The atmosphere must have the correct mix to prevent gases from having a toxic form.

The planet needs to rotate to prevent scorching and freezing of the surface of the planet. It the Moon helps also with this. But if the planet was too close to the sun all rotation would stop.

The tilt of the planet is also necessary to allow some of the suns rays to bounce off the atmosphere allowing temperatures comfortable for life.

A complete is listed below. Which represents more than I understand but I can see how these things are necessary for complex life on a planet.

My purpose is to show how ridiculous it is to assume all this happened by chance.

In the film they stated all these factors had to come together in a reasonable time for complex life to form on our earth. To illustrate the odds of this happening, they set a one out of ten (1/10) chance arbitrarily to show the odds of this happening by chance. (The chances for each is probably much higher.)

Using this scenario, the number they derived is shown below:

1/1,000,000,000,000,000

The following is their Blog page

<http://intelligentreasoning.blogspot.com/2006/05/factors-required-for-complex-lif>

ID (Intelligent Design) vs. sheer dumb luck- You decide.

Factors for complex life:

1. Liquid water

- a. Enough surface water to help regulate the planet's temperature**
- b. Good solvent**
- c. Transports minerals**
- d. The presence of liquid water means the planet is in the habitable zone of it's local star (Sun)**
- e. The presence of liquid water defines the CHZ (Circumstellar HabitableZone. The CHZ of our solar system lies between Venus & Mars. Some scientists have narrowed it to:
 - If the Earth were 5% closer to the Sun – too hot, no liquid water**
 - If the Earth were 20% father away from the Sun- too cold carbon dioxide would build up****

2. Carbon based

- a. Great bonding affinities**
- b. Allows for complex macro-molecules**

3. Terrestrial planet

- a. Crust thin/ thick and pliable enough to allow for plate tectonics**
- b. Recycling of minerals**
- c. Plate tectonics means the crust is sitting on an active core**
- d. Must retain enough heat for convection, i.e. keep the core liquid**
- e. Convection mixes the elements & shapes the continents**
- f. Active iron core is required to generate a protective magnetic field**
- g. Magnetic field has to be strong enough to withstand the solar winds**
- h. Must provide protection from radiation**

4. Oxygen atmosphere

- a. Our oxygen/ nitrogen mix is good**
- b. Clear- allows for good viewing**
- c. Ours is <1% of planet's diameter**
- d. Allows in the right kind of light for viewing**

5. Stable circular orbit

6. Large Moon (see also Gonzalez, G., "Wonderful Eclipses," Astronomy & Geophysics 40, no. 3 (1999): 3.18- 3.20) (J. Laskaret al., "Stabilization of the Earth's Obliquity by the Moon," Nature 361 (1993): 615-17)

- a. Our Moon is $\frac{1}{4}$ the size of Earth**
- b. Stabilizes the Earth's axis of rotation**
- c. Gives our oceans a required tidal action**
- d. Just so happens that our Moon is 400x smaller than the Sun, which is 400x farther away**
- e. Both with a very circular shape**
- f. Allows for perfect solar eclipses**
- g. Confirmed Einstein's prediction with the 1919 solar eclipse (gravity bends light) when scientists photographed the Stars behind it. We could have only made that discovery during a total solar eclipse.**
- h. Light spectrum**
- i. Observing & studying the Sun's chromosphere is made possible**

7. Gas Giants

- a. Protection from intruding cosmic debris**
- b. Great for observing & scientific discovery**

8. Sun- Spectral type G2 dwarf main sequence star-

- a. If it were smaller the habitable zone would shrink and any planets in that zone would be locked into a synchronous orbit (rotation = revolution) as our Moon is with us**
- b. Total number estimated in the Milky Way- 100 billion**
- c. Over 80% are low-mass red dwarfs (most likely lack a habitable zone)**
- d. 1-2% are massive short-lived blue giants**
- e. Only about 4% of the stars are early G-type, main-sequence stars like our Sun**
- f. 50% of those are in binary systems**
- g. Then we have to consider what % of those are in the Galactic Habitable Zone**

9. Location in the galaxy- Galactic Habitable Zone

- a. We are between spiral arms**

- b. Perfect for viewing**
- c. Not a lot of activity**
- d. Not too close to the violent and very active center**
- e. More radiation near the center**

Neighbors

Not a good viewing platform from which to discover
Not so far away where the heavy elements are scarce

10. Fine-tuning

- a. Laws of Nature**
- b. Laws apply here also apply anywhere**
- c. Constants that are independent of those laws**

Summary:

Within the Galactic Habitable Zone

Within the Circumstellar Habitable Zone

Liquid water

Orbit a Spectral type G2 dwarf main sequence star

Protected by gas giants

Nearly circular orbit-

Oxygen rich

Correct mass

Large moon to stabilize the angle of rotation

Moderate rate of rotation

Terrestrial planet

Ratio of water to continents

Plate tectonic re-cycling

Magnetic field

Both plate tectonics and the magnetic field require the core have enough heat to keep it liquid. The convection currents mix the minerals before recycling and also produce the required magnetic field as it flows around the iron inner core.

The Earth's orbit is slightly elliptical. When the Earth is closest to the Sun (perigee) the southern hemisphere is enjoying summer, i.e. the Earth's axis of rotation has the southern hemisphere at a better angle (than the northern hemisphere) towards the Sun for absorbing its vital rays. The Earth has the bulk of its continents in the northern hemisphere. Water stores the heat and then transfers it around the globe.

The above list contains factors required for complex life, but life is not guaranteed to arise even if all factors are met. The fact that a large, stabilizing moon is required and ours just happens to provide us with a huge natural setting in which we can & have conducted a multitude of scientific experiments that have increased our knowledge base and confirmed scientific predictions, is just the tip of the iceberg

when it comes to evidence to support their finding that habitability = measure-ability. Think about it. In the accepted age view of the solar system & Earth, with the Moon's recession rate coupled with the Sun's expansion rate, these perfect solar eclipses, along with the scientific discoveries that accompany them, will soon be gone (10 million years). The best place for viewing eclipses, is also the only place in the solar system with perfect solar eclipses, is also the only place with conscious observers and we, intelligent observers, just happened to arrive when the scenario was best for scientific discovery.

Earthquakes, even though very destructive, are a necessary byproduct of the required plate tectonic recycling. They also offer us a way to measure the density of the material between designated points via the sound waves produced by plate movement. Volcanoes offer a way to vent the internal pressure. Without vents the internal pressure would build uncontrolled, until the planet exploded. Plate tectonics also means that there is an active core. An active core like the Earth's creates a protective electro-magnetic field. The size of the field is important- too small and the solar winds blow it away; too large and life is a no-no. Volcanoes are part of the mineral recycling process. Volcanic ash also covers the ground, not only providing rich soil for future generations but also in some cases creating a time vault that enables scientists to get an excellent view of the past. To support plate tectonics a crust that is thick enough to support oceans and continents is required, but it can't be so thick that it doesn't have subducting plates to recycle vital minerals.

The laws that govern nature are independent of the constants that control them. IOW fudge with the constants and even though the outcome is changed, the law still remains true. And that change will, in all likely-hood, prevent the conditions required for complex life.

Did we win the "cosmic lottery"? Or is intentional design, design with the purpose of having said design be understandable and ensuring beings exist that can grow to understand it, the better explanation?

End of copy from Blog

Does any reasonable thinking person think this all happened by chance? They need to be told that they must have a strong faith in man's ideas and chance to believe this. It is easier to believe in God being the creator than trusting in chance.

They are without excuse.

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