

Formless, Void and Dark

God is Light

- 1 John 1:5
- Psalm 44:3
- Ezekiel 1:27-28; 10:4
- Habakkuk 3:4
- Luke 2:9
- Matthew 17:5; 28:3
- Revelation 21:22-23

The Eye

How the Eyes Work

All the different parts of your eyes work together to help you see.

1. First, **light** passes through the **cornea** (the clear front layer of the eye). The cornea is shaped like a dome and bends **light** to help the eye focus.
2. Some of this **light** enters the eye through an opening called the **pupil** (PYOO-pul). The **iris** (the colored part of the eye) controls how much **light** the pupil lets in.
3. Next, **light** passes through the **lens** (a clear inner part of the eye). The lens works together with the cornea to focus **light** correctly on the retina.
4. When **light** hits the **retina** (a **light**-sensitive layer of tissue at the back of the eye), special cells called photoreceptors turn the **light** into electrical signals.
5. These electrical signals travel from the retina through the **optic nerve** to the brain. Then the brain turns the signals into the images you see.

Genesis 1:2

And the earth was a formless and desolate emptiness, and darkness was over the surface of the deep, and the Spirit of God was hovering over the surface of the waters.

1. Formless = Chaos, Confusion, Unreality
2. Void = Emptiness, Vacuity (Space)
3. Dark = Absolute obscurity

Jeremiah 4:23-26

Bose-Einstein Condensate

A Bose-Einstein condensate is a group of atoms cooled to within a hair of absolute zero. When they reach that temperature the atoms are hardly moving relative to each other; they have almost no free energy to do so. At that point, the atoms begin to clump together, and enter the same energy states. They become identical, from a physical point of view, and the whole group starts behaving as though it were a single atom.¹

¹ <https://www.livescience.com/54667-bose-einstein-condensate.html>

BECs are related to two remarkable low-temperature phenomena: superfluidity, in which each of the helium isotopes ^3He and ^4He forms a liquid that flows with zero friction; and superconductivity, in which electrons move through a material with zero electrical resistance.²

- Superfluidity - The accepted theoretical understanding of superfluidity (or superconductivity) is based on the idea that an extremely large number of atoms (or electrons) show identical, and moreover essentially quantum mechanical, behaviour; that is to say, the system is described by a single, coherent, quantum mechanical wave function.
- A gas of such atoms without interactions between them would undergo, at some temperature T_0 , a phenomenon known as Bose condensation; below T_0 a finite fraction of all the atoms occupy a single state, normally that of lowest energy, and this fraction increases toward one as the temperature falls toward absolute zero.³

The Deep

The state of all matter immediately after creation, described as formless, void, and dark, but taking on the following state:

1. Deep - a deep abyss almost always, poetically associated with the sea.
 - a. "He who fights with monsters might take care lest he thereby become a monster. And if you gaze for long into an abyss, the abyss gazes also into you."⁴
2. Water - flood waters, connotes that the water was everywhere.

All matter was in this superfluid state.

² <https://www.britannica.com/science/Bose-Einstein-condensate>

³ <https://www.britannica.com/science/superfluidity>

⁴ Nietzsche, *Beyond Good and Evil: Prelude to a Philosophy of the Future* (1886), Chapter IV. Apophthegms and Interludes, §146