

# Examining the Cosmos

## Session 4

### Creation Days 1 & 2

#### Recommended Reading

Hugh Ross, *The Creator and the Cosmos*, (Chapters 1-16), (NAV PRESS, 2001)

=====

#### CONDITIONS ON THE EARLY EARTH; Review

- A. Formless and empty
  - “Without useful space”
  - “Without useful purpose”
  
- B. Surface darkness:
  - Water covered the entire surface of the planet,
  - Psalm 104:6: *You (God) covered it, (the earth), with the deep as with a garment, the waters stood above the mountains.*
  
- C. All planets start with opaque atmospheres, thick layers of such gases as hydrogen, helium, methane and ammonia surround them; plus interplanetary dust and debris, guarantees that no sunlight or starlight can reach the surface of a primordial planet such as early earth.
  
- D. Research has confirmed, via studies of Earth’s oldest rocks, that indeed water initially covered all of earth’s crust.
  
- E. Without light, photosynthesis could not occur, and no major life can exist without it, (maybe some primitive forms did exist though).

## Creation Day 1, Differentiation of Day and Night

### A. “Let there be Light” meaning to be seen, NOT CREATED

God created physical light, that is electro-magnetic radiation, “in the beginning”, when He brought the cosmos into existence. The matter and energy of the cosmos included light. Light is the dominant form of energy for both the primordial and present-day universe. On Day 1, light penetrated Earth’s dark shroud for the first time. God cleared away some of the debris that previously kept light from coming through.

### B. Earth’s atmosphere changed from opaque to translucent-NOT TRANSPARENT, but clear enough to permit light’s passage.

### C. The Moon miracle:

- The moon is younger than the earth. The Earth is 4.55 billion years old, the moon is 4.3 billion years old.
- The moon was in near contact with the earth 4.3 billion years ago. The formation of the moon, via a collision of a large Mars size body with Earth, blasted the original atmosphere into outer space. This remarkable event delivered Earth from a life –suffocating atmosphere and produced a replacement atmosphere thin enough and the right chemical composition to permit the passage of light to Earth’s surface. It also increased the mass and density of Earth to retain, by gravity, a large quantity of water vapor.

### D. Distinguishing Day and Night

With sunlight now penetrating the interplanetary medium and Earth’s atmosphere, on earth now, for the first time, one could detect the cycle of day and night. Not until this time, though the Earth had been rotating since its beginning, do “day” and “night” become discernable. Now a fixed period of light would follow a fixed period of darkness.

## Creation Day 2, The Water Cycle Established

### A. God called the expanse SKY, the area where clouds form and move.

God’s “separation” of the water describes the troposphere, the atmospheric layer just above the oceans where clouds form and humidity resides as distinct from the stratosphere, mesosphere and ionosphere lying above.