# All Inclusive Static Crash Course Prelims 2022

**Class-8 : Geography** 

#### **Origin & Evolution of Earth**



#### **Big Bang Theory / Expanding Universe Theory**

Singularity  $\rightarrow$  Explosion  $\rightarrow$  Galaxies moving away from each other. Edwin Hubble, in 1920, gave evidence that universe is expanding.

- $\diamond$  Universe  $\rightarrow$  Galaxies  $\rightarrow$  Stars  $\rightarrow$  Planets  $\rightarrow$  Moons
- Galaxies are thousands of light years big
- They form by accretion in Nebula (large cloud of Hydrogen etc)

Crore years ago	Event	Crore years ago	Event
1,370	Big Bang	50	Fish
500	Sun	45	Plants
400	Planets	40	Amphibians
450	Oceans	35	Reptiles
380	Life	25	Frogs, Turtles
300	Photosynthesis	20-15	Dinosaurs
		15	Birds

- Speed of light = 3 lakh km/s
- Light year = distance light travels in 1 year
- Moon: 1.1 seconds, 3 lakh km
- Sun: 8.3 minutes, 15 crore km
- Proxima Centauri: 4 light years

### **Nebular hypothesis**

Disk of gas and dust spinning around young Sun



## Accretion:

accumulation of particles into a massive object due to gravity.

I read I forget,	see I remember	See ex	planation of this PDF on 🧧	<b>YouTube</b> www.youtub	e.com/c/allinclusiveias
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### **EVOLUTION OF ATMOSPHERE**



