

UPGRADE to the Bundle

Crash Course - ASTRONOMY 47 Episode Series Bundle

- ✓ Classroom Ready - Just Print and Go!
- ✓ Active Engagement - Keep Students' Attention
- ✓ Direct Video Link Included

WATCH VIDEO



ALL 12 Episodes with Answer
Keys and Direct Video Link

CLICK HERE



Crash Course Astronomy #45: Deep Time

Name: _____ Date: _____

You can access the video here → <https://youtu.be/jDF-SNJA60DE?si=2u3x8A2BuycoygaAY>

1. The Universe is nearly _____ years old.
2. Scientific notation is a shorthand way of expressing numbers using powers of _____.
3. The current era in which stars dominate the Universe is called the _____ Era.
4. The era following the Stelliferous Era is known as the _____ Era.
5. The lowest-mass stars, called _____, can live for trillions of years.
6. As massive stars die out, galaxies will begin to appear more _____ in color.
7. Dead stars such as white dwarfs and neutron stars are supported by _____ pressure.
8. The third major era of the Universe, when only black holes remain, is the _____ Era.
9. Eventually, protons are expected to _____, leading to the disintegration of matter.
10. According to Hawking's theory, black holes can slowly lose mass through a process called _____ radiation.
11. The final, cold, and empty stage of the Universe's timeline is called the _____ Era.
12. The hypothesis where space is torn apart at a quantum level due to increasing dark energy is called the _____.
13. The Universe might undergo a cosmic _____, restarting everything anew.
14. The cosmic horizon is a physical _____ beyond which no signal can reach us.
15. The theory that other universes may exist beyond our own is known as the _____.

Crash Course Astronomy #45: Deep Time KEY

1. The Universe is nearly **14 billion** years old.
2. Scientific notation is a shorthand way of expressing numbers using powers of **ten**.
3. The current era in which stars dominate the Universe is called the **Stelliferous** Era.
4. The era following the Stelliferous Era is known as the **Degenerate** Era.
5. The lowest-mass stars, called **red dwarfs**, can live for trillions of years.
6. As massive stars die out, galaxies will begin to appear more **red** in color.
7. Dead stars such as white dwarfs and neutron stars are supported by **degeneracy** pressure.
8. The third major era of the Universe, when only black holes remain, is the **Black Hole** Era.
9. Eventually, protons are expected to **decay**, leading to the disintegration of matter.
10. According to Hawking's theory, black holes can slowly lose mass through a process called **Hawking** radiation.
11. The final, cold, and empty stage of the Universe's timeline is called the **Dark** Era.
12. The hypothesis where space is torn apart at a quantum level due to increasing dark energy is called the **Big Rip**.
13. The Universe might undergo a cosmic **reboot**, restarting everything anew.
14. The cosmic horizon is a physical **limit** beyond which no signal can reach us.
15. The theory that other universes may exist beyond our own is known as the **multiverse**.

15 Questions

Answer Key Included

Save 85% per worksheet!