

H5 - Stick the Lander Review & Test Breakdown

What Can I say?

Key Vocabulary - Group related terms in a concept map. Use each term in a sentence or provide an example/non-example, differences

Star	Circumpolar	Nicolas Copernicus	International Astronomical Union
Constellation	Planet (250 BC)	Johannes Kepler	Planet (2006)
Asterism	Venus	Uranus	Satellite
luminous	Mars	Neptune	Dwarf Planet
non-luminous	Jupiter	Albert Einstein	Sidereal Day
ecliptic	Saturn	Georges LeMaitre	Celestial Equator
Zodiac	Retrograde Motion	Sir Edwin Hubble	Eclipse
ellipse	Gibbous	Crescent	Wax/wane
Rotation	Axis	Umbra	Solar Day
Revolution	Orbit	Penumbra	geosynchronous
Flare	Prominence	Spectrum	Redshift
Nebula	Accretion	Nucleosynthesis	Microwave
Aurora	Sunspot	Comet	Meteoroid
Asteroid	Light year	Parsec	Kuiper belt

Terms from H3-TGCA

Air pollution	Succession Primary	Anthropogenic
Global warming	Succession Secondary	Pioneer Organism
Climax Species		

What Can I do?

- ☐ Convert between two units when the ratio between them is known
 - ☐ Convert light years to km in a word problem.
 - ☐ Convert Astronomical Units to km in a word problem.
- ☐ Identify and follow the steps of the engineering design process

What Can I explain? Use an explanation or diagram to describe...

STL

- ☐ What are some of the reasons why humans have studied the sky? (Navigation and time keeping)
- ☐ What are some differences between the inner and outer planets?
- ☐ How did the solar system form? What are some pieces of evidence scientists have about this?

- ☐ How did the universe form? What are some pieces of evidence scientists have about this?
- ☐ How are lunar phases and eclipses different? Draw out how they form. 2D vs 3D relationships between the sun, Earth & moon
- ☐ What are some of the challenges involved in getting to space? in working and living in space? What happens to the human body? How can these challenges be overcome?
- ☐ What are some of the uses of satellites? Advantages of space telescopes.

TGCA

- ☐ What are some ways that ecosystems can change?
- ☐ How can technology be used to monitor changes in Ecosystems over time?
- ☐ How does succession happen and what are the different types of succession?

TOPIC	Multiple Choice	Knowledge	Inquiry	Application
Steps of the Engineering Design process				3
Looking at the sky - objects and reasons	2	2		3
Celestial Motion - types and examples	1		2	
Challenges of Space Travel	1			4
Converting distances in space (Km, AU, LY, parsec)	1		8	
Types of bodies in the solar system	4	2		
Describing bodies in the solar system(distinguish between planets)	1			
Graphing relationships between properties of planets			2	
Sun and light	4	1	2	
Formation of the Solar System	2			1.5
Formation of the Universe	2			1.5
Satellites, uses, advantages and types of orbits	1			2
Types of Changes Ecosystems can undergo - speed, reason				
Succession - types, stages	1		1	

	20	5	15	15