Fill in the Blank

Henrietta Leavitt was a _____ who worked at the Harvard College Observatory in the early 1900s. She was hired as a "_____" to study photographic plates of the _____, looking for patterns that could help astronomers understand more about the universe.

Henrietta soon realized that there was a pattern in the brightness of certain _____ stars. She found that the time it took for these stars to _____ and brighten again was directly related to their _____, which meant that astronomers could use them as "standard candles" to measure the distances to other _____.

Henrietta's discovery was groundbreaking, but she faced many challenges as a woman in a male-dominated field. She had to fight for recognition and respect, and she was not allowed to use the telescope to observe the stars directly.

Despite these obstacles, Henrietta continued to work tirelessly, analyzing thousands of photographic plates and making many more discoveries about the _____ and the stars that make it up. Her work laid the foundation for many of the breakthroughs in _____ that came after her.

Today, Henrietta Leavitt is remembered as a pioneer in the field of _____, and her legacy continues to inspire future generations of _____ and _____.

Answer Key to Silent Sky Activity Book

Silent Sky

Activity Book

Riddles

1. I am the beginning of the end and the end of time and space. I am essential to creation, and I surround every place. What am I?
2. People have stepped on me, but not many. I never stay full for long. I have a dark side. What am I?
3. It can fill a room without occupying space. What is that?
4. At night they come without being fetched. By day they are lost without being stolen. What are they?
5. What can be measured, but has no length, width or height?
6. What is the center of gravity?
7. I am a god, a planet and I can measure heat. What am I?
8. What is so fragile that saying its name breaks it?
9. The more there is, the less you see. What am I?
10. What word has kst in the middle, in the beginning, and at the end?

Word search

S	O	B	R	N	N	X	I	V	E	Q	R	J	K	B	G	W	J	W	U
M	A	H	S	Q	L	E	C	O	N	S	T	E	L	L	A	T	I	O	N
F	T	R	U	E	J	N	B	K	L	Y	G	O	L	O	M	S	O	C	H
P	H	B	B	S	J	N	K	U	A	C	A	Q	O	X	R	L	H	O	I
S	V	Q	T	T	A	M	O	T	L	S	M	E	Q	A	A	E	J	Y	I
H	A	R	V	A	R	D	T	H	T	A	U	T	T	K	U	M	M	C	C
T	D	E	J	H	P	E	H	R	U	D	B	S	R	M	Z	O	L	J	B
E	T	Z	U	U	I	B	O	B	S	E	R	V	A	T	O	R	Y	W	Q
L	Q	Q	J	R	P	N	F	C	C	B	Z	R	S	I	P	D	Y	Y	T
E	X	H	N	C	O	Q	L	N	I	E	X	A	Y	L	M	O	W	T	B
S	G	E	C	M	F	G	D	U	S	H	T	Q	R	F	B	P	A	X	W
C	H	A	Y	F	G	B	H	N	Y	U	X	I	Q	T	M	P	G	V	F
O	S	L	O	A	Q	C	H	K	H	B	D	U	L	F	V	I	H	A	F
P	W	M	L	W	W	L	Q	G	P	B	Y	Q	W	L	C	H	T	X	J
E	Q	A	X	S	C	I	W	F	O	L	U	N	I	V	E	R	S	E	P
T	X	A	T	C	S	S	R	M	R	E	R	A	L	L	E	T	S	N	J
Y	S	Y	H	P	A	R	G	O	T	O	H	P	O	R	T	S	A	A	N
H	R	O	S	Y	D	F	N	O	S	L	H	L	B	Y	O	X	Z	S	J
G	P	P	I	K	H	N	V	U	A	Y	X	O	N	A	S	K	S	X	Y
Q	O	D	U	O	V	B	E	T	E	N	A	L	P	O	X	E	G	Y	D

ASTROPHOTOGRAPHY
ASTRONOMY
ASTROPHYSICS
CONSTELLATION
COSMOLOGY
EXOPLANET
GALAXY
HARVARD
HENRIETTA
HIPPODROME
HUBBLE
NEBULA
OBSERVATORY
SATELLITE
STARS
STELLAR
TELESCOPE
UNIVERSE

Connect the dots