



Name: _____

Date: _____

Science - Big Bang Theory Worksheet - 1

1. The study of _____
_____ is called cosmology.
2. In cosmology, objects that have a range of properties _____
be compared. Astronomers have _____ universe to
consider and _____.
3. The Big Bang Theory states that the universe began as _____
_____ and has been _____.
It is an expansion of space with matter going along for the ride.
4. In 1965, scientists discovered _____
in their radio antenna. This noise was caused by _____
_____ that appeared to come from all
directions in space.
5. The temperature of this radiation was _____,
which was very close to the temperature predicted by _____
_____.
6. There are 3 possible outcomes for the universe: (1) _____
_____, in which expansion will never stop; (2) _____
_____, in which the expansion will stop
and turn into contraction; and (3) _____,
in which the expansion will slow to a halt in an infinite amount of
time.
7. When the rate of expansion of the universe is known, it is possible to
calculate _____, or
the age of the universe. This age is hypothesized to be _____
_____.



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Science - Big Bang Theory Word Search

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

ATOMS
COSMIC EXPANSION
EXPLANATION
GIANT CLOUDS
HUBBLES LAW
LIGHT ELEMENTS
MODEL
REDSHIFT
SINGULARITY
SUB-ATOMIC PARTICLES
THEORY

BILLION
COSMOLOGICAL
GALAXIES
GRAVITY
INITIAL EXPANSION
MICROWAVE BACKGROUND
PREVAILING
SCIENTISTS
STARS
THE BIG BANG
THIRTEEN POINT SEVEN

OMG
EVIDENCE
UNIVERSE

