Co

sm	nology Worksheet	Name:			
1.	Match the term with its definition:				
a.	Star	A. Ice chunk orbiting a star			
b.	Quasar	B. Collection of stars held together by gravity, orbiting a supermassive black hole.			
	Galaxy	Huge collection of hydrogen gas and dust			
	Dark Matter	Large spherical body orbiting a star			
	Black Holes	E. Large spherical body NOT orbiting a star, travelling alone through interstellar space.			
f.	Planets	Large spherical body of plasma, fusing hydrogen into helium, releasing energy.			
g.	Nebula	G. A point of infinite mass in an infinitely small volume.			
h.	Comets	H. A larger, older point of infinite mass in an infinitely small volume, which ejects energy			
2.	Outline the three componen	its that make up the Universe.			
3.	a) Outline what the Big Bang Theory is.				
	b) Outline the <u>two</u> main pie	eces of evidence that support the Big Bang Theory.			

5. **Explain** the three possible geometry models of the Universe. Include gravity and dark energy in your explanation.

6. **Explain** the <u>history</u> and <u>future</u> of the Universe in your own words.

Self	Level	Level descriptor Criterion A: Knowing and understanding
	0	The student does not reach a standard described by any of the descriptors below.
	1-2	 state scientific knowledge apply scientific knowledge and understanding to suggest solutions to problems set in familiar situations interpret information to make judgments
	3-4	 outline scientific knowledge apply scientific knowledge and understanding to solve problems set in familiar situations interpret information to make scientifically supported judgments
	5-6	 describe scientific knowledge apply scientific knowledge and understanding to solve problems set in familiar situations and suggest solutions to problems set in unfamiliar situations analyse information to make scientifically supported judgments
	7-8	 explain scientific knowledge apply scientific knowledge and understanding to solve problems set in familiar and unfamiliar situations analyse and evaluate information to make scientifically supported judgments