

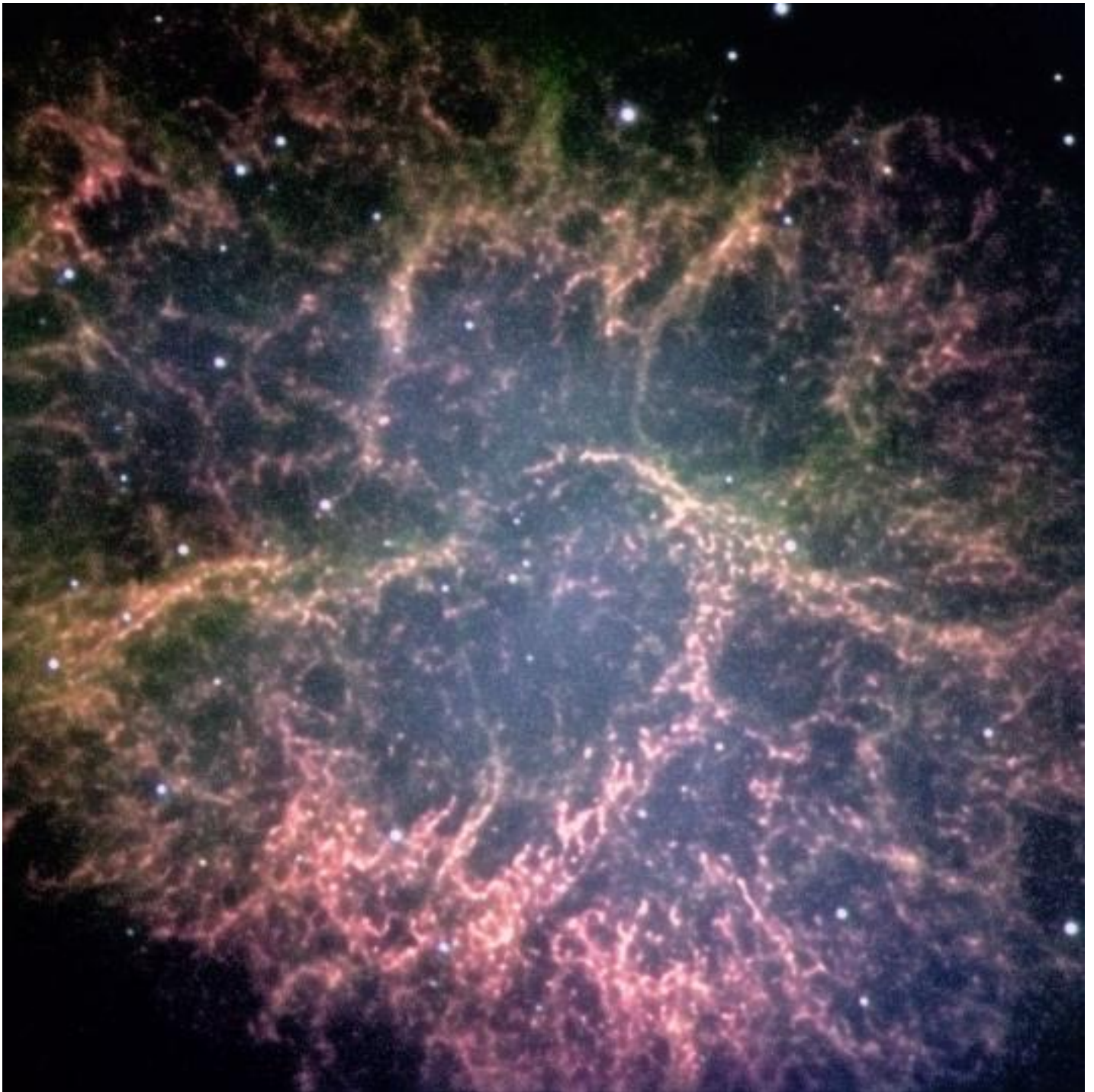
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# Ancient Cosmic Explosions

## Answer Sheet

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Name	Radius (degrees)	Distance (metres)
Cas A		
E102-72		

Name	Θ degrees	Diameter (m)	Radius (m)
Cas A			
Kepler			
E102-72			

Name	Volume	Mass (kg)	Velocity
Cas A			
E102-72			

Name	Age
Cas A	
E102-72	

## Conclusion

1. Energy given off by XX watt light bulb in an hour =. Supernova gives off equivalent energy of XX light bulbs in for one hour, or XX hours with one XX watt light bulb.
2. Mass of Sun =



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<b>symbol</b>	<b>description</b>	<b>value</b>
KE	kinetic energy of shell	$10^{44}$ J
density	density of surroundings	$10^{-21}$ kg m <sup>-3</sup>
D	distance to the supernova	Find this value on the web