

## **Exit Ticket: Stars in the Clouds**

1. List one idea of where cosmic rays come from.
2. List two examples of cosmic particles - one type of primary particle and one type of secondary particle.
3. Sketch a particle track that you observed in the cloud chamber.

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## Potential Answers

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1. Where do cosmic rays come from?

***Galactic:*** from outside our solar system, but usually from within our galaxy (the Milky Way).

***Anomalous:*** from interstellar (between stars) space at the edge of our solar system.

***Solar energetic particles (SEP):*** associated with solar flares.

2. List two examples of cosmic particles - one primary particle and one secondary particle.

***Primary particles:***

***Alpha particles***

***Beta particles***

***Gamma rays***

***Secondary Particles:***

***Pions***

***Muons***

***Neutrinos***

3. Sketch a particle track that you observed in the cloud chamber.

***Will Vary***