

**Main Ideas, Key Points,
Questions:**

After watching the video segment, write down key points, main ideas and big questions.

Objective(s):

- *To explain the properties of mixtures.*
- *To describe categories of mixtures and how they form.*

Notes:

During the video segment, use words, phrases or drawings to take notes.

Summary:

*After watching the video segment, write at least three sentences explaining what you learned.
You can ask yourself: "If I was going to explain this to someone else, what would I say?"*

After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

1. Felix Baumgartner needed to understand chemical mixtures in order to accomplish his skydiving jump. Write down one idea about mixtures that Felix needed to know.

2. What is the difference between a homogeneous mixture and a heterogeneous mixture?

3. Write one example of the types of mixtures listed below:

gas-gas mixture

gas-liquid mixture

solid-liquid mixture

an alloy

4. In one sentence, explain how combining two metals to make an alloy can provide an advantage to the user of the alloy material.