**Guided Background Research Worksheet**

1. **Define the following words or phrases and use them each in a sentence that shows understanding.**

|  |  |  |
| --- | --- | --- |
| **bioengineering** | **Definition:** | **Looks like:** |
| **Sentence:** |
| **biomedical engineering** | **Definition:** | **Looks like:** |
| **Sentence:** |
| **crumple zone** | **Definition:** | **Looks like:** |
| **Sentence:** |
| **safety restraint** | **Definition:** | **Looks like:** |
| **Sentence:** |
| **airbag** | **Definition:** | **Looks like:** |
| **Sentence:** |

1. **Answer the following questions.**

**Why are ambulances important to patient care?**

**Are ambulances allowed to speed? Why or why not?**

**Describe the current method of keeping patients safe during ambulance transport.**

1. **On this timeline, indicate and describe five major advancements in the history of the ambulance.   
   Make sure to provide the dates and the person(s) responsible for the advancements.**
2. **Identify and explain Sir Isaac Newton’s three law of motion.**

|  |  |  |
| --- | --- | --- |
|  | **Identify the law** | **Explain what the law means** |
| **1st Law** |  |  |
| **2nd Law** |  |  |
| **3rd Law** |  |  |

**\*\*Bonus Question: Who or what were Fig Newtons named after?**