**Brainstorm for the Immune Cartoon**

**Element/Story Line:**

**Set the Scene**

|  |
| --- |
| * Where is it?
* When is it?
* Who is involved?
 |
| **Non-Specific Defense** * What is it *(Science)*?
* How do they get in?

**First Line of Defense**

|  |  |
| --- | --- |
| **1st Element: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **2nd Element: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Real Defense** *(Science)***:** | **Real Defense** *(Science)***:** |
| **What you will use to represent this:**  | **What you will use to represent this:**  |
| **How will you get past it?**  | **How will you get past it?**  |

**Second Line of Defense**

|  |  |
| --- | --- |
| **1st Element: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **2nd Element: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Real Defense** *(Science)***:** | **Real Defense** *(Science)***:** |
| **What you will use to represent this:**  | **What you will use to represent this:**  |
| **How will you get past it?**  | **How will you get past it?**  |

 |
| **Specific Defense** **Element/Story Line:** * What is it *(Science)*?
 |

**Key Players**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **B-Cells** * + Main Role *(Science)*:

|  |  |
| --- | --- |
| **Plasma B-Cells** | **Memory B-Cells** |
| * Main Role *(Science)*:
* Character title:
 | * Main Role *(Science)*:
* Character title:
 |
| **How will you get past it?**  | **How will you get past it?**  |

 |
| **Phagocyte**

|  |  |
| --- | --- |
| **Macrophage** | **Neutrophils** |
| * Main Role *(Science)*:
* Character title:
 | * Main Role *(Science)*:
* Character title:
 |
| **How will you get past it?**  | **How will you get past it?**  |

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|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **T-Cells** * + Main Role *(Science)*:

|  |  |  |
| --- | --- | --- |
| **Helper T** | **Killer T** | **Suppressor T** |
| **Main Role** *(Science)***:****Character title:** | **Main Role** *(Science)***:****Character title:** | **Main Role** *(Science)***:****Character title:** |
| **How will you get past it?**  | **How will you get past it?**  | **How will the T and B cells be turned off?**  |

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