**Lever Lab.**

**Problems:**

1. **How can you build, draw and use the three different classes of levers?**
2. **How can you calculate the IMA and AMA for the three levers that you build?**

**Material: Fulcrum, meter stick, Newton scale, hanging mass.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Lever** | **Effort**  **Length** | **Res.**  **Length** | **IMA** | **Effort**  **Force** | **Res.**  **Force** | **AMA** |
| **1st** |  |  |  |  |  |  |
| **2nd** |  |  |  |  |  |  |
| **3rd** |  |  |  |  |  |  |

**Conclusion: Use the following terms:**

**Class, Lever, Effort, Resistance, Length, force, mechanical advantage, ideal, actual.**