**Kent Diether B. Geraldo BSIT – 2B**

**GEELECT1 People and the Earth’s Ecosystem**

**Module 3**

**Lesson 3: Genetic Alteration**

**Activity:**

|  |  |
| --- | --- |
| **MOTHER** | **FATHER** |
| Skin Color or Toned | Height |
| Eye Color | Eyebrows |
| Pointed Nose | Long fingers and feet |

**Analysis:**

I don't have a medical condition or sign of a medical condition that I inherited from my parents. But my parents inherited medical conditions from my grandparents, like my mother, who has sinus, and my father, who has high blood pressure but not severe.

**Application:**

CRISPR gene-editing is seen as a powerful tool for changing DNA, but it should be used carefully. It has the potential to cure diseases and improve crops, but it also raises ethical concerns about how it might be misused. ​Therefore, CRISPR should be allowed only in specific cases, such as for medical treatment or research, and strict regulations should be in place.​ Limiting its use can help prevent unintended consequences and ensure that it benefits society as a whole. Overall, thoughtful guidelines are essential to balance innovation with safety.

**Assessment**:

1. Single

2. True

3. True

4. True

5. True