

**Fill in the gaps with the words from the box:**

pivotal boundaries envisions eradicate feasible laying the groundwork

### 1. Groundbreaking genome editing tools

In the world of 2030, biotechnology will play a 1) \_\_\_\_\_ role in unlocking the secrets of our genetic code, revolutionizing healthcare and life expectancy. Gene-editing tools will have become more precise and widely accessible, enabling us to 2) \_\_\_\_\_ hereditary diseases. The logic is simple: alter the gene lines in an embryo's 8 or 16 cell stage (to, say, eliminate the gene for Tay-Sachs disease) and that change will occur in each of the resulting person's trillions of cells – not to mention in the cells of their descendants.



### 2. Interplanetary Exploration and Colonization

In the world of 2030, humanity will have made substantial progress in space exploration and colonization efforts. Kurzweil 3) \_\_\_\_\_ the establishment of permanent settlements on the Moon and Mars, 4) \_\_\_\_\_ for future interstellar travel. Advancements in technology, such as ion drives and space-based solar power, will make deep space missions more 5) \_\_\_\_\_. The collaborative efforts of governments and private enterprises should probably accelerate our understanding of the cosmos and push the 6) \_\_\_\_\_ of human exploration.

