Genome 1 = \_\_\_\_\_\_\_\_\_\_ paper clips. Genome 2 = \_\_\_\_\_\_\_\_\_\_ paper clips.

**Table 2.1** - Dice roll determining organism survival

 Dice Roll

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 |
| Genome 1 | Survives | Survives | Survives | Survives | Dies | Dies |
| Genome 2 | Survives | Survives | Survives  | Survives | Survives | Dies  |

**Table 2.2** – Organism survival over generations.

 Number of organisms

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Generation | Genotype | At start of generation | Dead (end of generation) | Survivors (end of generation | Reproduction & predation: (Multiply surviving organisms by 2, then predators remove one out of five.)  |
| 1 | Genome 1 |  |  |  |  |
| 1 | Genome 2 |  |  |  |  |
| 2 | Genome 1 |  |  |  |  |
| 2 | Genome 2 |  |  |  |  |
| 3 | Genome 1 |  |  |  |  |
| 3 | Genome 2 |  |  |  |  |
| 4 | Genome 1 |  |  |  |  |
| 4 | Genome 2 |  |  |  |  |
| 5 | Genome 1 |  |  |  |  |
| 5 | Genome 2 |  |  |  |  |
| 6 | Genome 1 |  |  |  |  |
| 6 | Genome 2 |  |  |  |  |
| 7 | Genome 1 |  |  |  |  |
| 7 | Genome 2 |  |  |  |  |
| 8 | Genome 1 |  |  |  |  |
| 8 | Genome 2 |  |  |  |  |
| 9 | Genome 1 |  |  |  |  |
| 9 | Genome 2 |  |  |  |  |
| 10 | Genome 1 |  |  |  |  |
| 10 | Genome 2 |  |  |  |  |
| 11 | Genome 1 |  |  |  |  |
| 11 | Genome 2 |  |  |  |  |
| 12 | Genome 1 |  |  |  |  |
| 12 | Genome 2 |  |  |  |  |