**Hypothesis Work Sheet**

|  |  |  |  |
| --- | --- | --- | --- |
| Plates: | Contains | | Observations  Yours |
| Item | Function (Does it make it grow or glow?) |
| Starter Plate:  Yours  E. Coli | LB |  |  |
| Starter Plate Hypothesis:  ***If*** *you add LB broth to agar,* ***than*** *you bacteria will grow* ***because*** *they have food* | | | |
| Plate #1  E. Coli | LB |  |  |
| AMP |  |
| + P Glow DNA |  |
| Plate#1 Hypothesis:  ***If***  ***Than***  ***Because*** | | | |
| Plate #2  E. Coli | LB |  |  |
| AMP |  |
| ARA |  |
| + P Glow DNA |  |
| Plate#2 Hypothesis: | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Plate #3  E. Coli | LB |  |  |
| AMP |  |
| - P Glow DNA |  |
| Plate#3 Hypothesis: | | | |
| Plate #4  E. Coli | LB |  |  |
| - P Glow DNA |  |
| Plate#4 Hypothesis: | | | |

Write Up Instructions:

For each plate (plates #1-#4, you don’t have to write up the starter plate) write a paragraph describing:

Your hypothesis

Discuss your reasoning for your hypothesis

Were your hypothesis supported or rejected?

And observations

Reasons for error