**Hypothesis Work Sheet**

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

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