Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_

### Lesson 4.1 Sources of sugar for ethanol production

Can cellulose and starch be used instead of sugar in ethanol production via fermentation?

In the table below, indicate what sources of cellulose and starch you will test and what controls you will need. After you set up your fermentation bag, record your predictions. After the reaction has gone for at least half an hour, record and explain your observations.

|  |  |  |  |
| --- | --- | --- | --- |
| Sugar source  (1 tsp) | Predictions | Observations | Explanations |
| Starch |  |  |  |
|  |  |  |  |
|  |  |
| Cellulose |  |  |  |
|  |  |  |  |
|  |  |
|  |  |
| Controls |  |  |  |
|  |  |  |  |
|  |  |  |  |