



TESTING THE TRANSPARENCY OF DIFFERENT TYPES OF PLASTIC

Name: _____

Today's Scientist: _____

Date: _____

Experiment #: _____



QUESTION

How transparent are different types of plastic?



HYPOTHESIS

I think _____

because _____



MATERIALS

- Different types of plastic (bags, wrap, containers, lids, folders, etc.)
- Printed text (use the page provided or a newspaper/book)
- Tape
- Ruler (optional)
- Paper and pencil



PROCEDURE

1. Place the printed text on a flat surface.
2. Tape a piece of plastic over the text.
3. Look through the plastic at the text.
4. Rate how well you can read the text using the transparency scale below.
5. Record your results in the data table.
6. Repeat steps 2–5 for each type of plastic.

TRANSPARENCY SCALE

- 4 = Very transparent – text is easy to read
- 3 = Somewhat transparent – text is readable with a little effort
- 2 = Slightly transparent – text is hard to read
- 1 = Not transparent – text cannot be read



DATA TABLE

Type of Plastic	Description / Where Used	Transparency Rating (1–4)	Notes



CONCLUSION

What did you find out? _____

Which plastic was the most transparent? _____

Which plastic was the least transparent? _____

Why do you think there were differences in transparency? _____