

## Hydrogels are Swell: Student Data Sheet

Record your measurements and observations and sketch the changes that occur with your hydrogels.

Initial	Measurements/Observations:	Sketch:
10 minutes	Measurements/Observations:	Sketch:
20 minutes	Measurements/Observations:	Sketch:
30 minutes	Measurements/Observations:	Sketch:
40 minutes	Measurements/Observations:	Sketch:

1. My hypothesis of what is happening between the water and the hydrogel marble:
2. My ideas for how hydrogels could be used in innovative and effective ways.
3. Using your reading/research, discuss the relationship between the structure of hydrogels and their function as superabsorbent polymers.
4. Using your observations and research, discuss whether the observed changes that occurred were physical or chemical in nature.