



ACTIVITY 1.2 – Model Denaturation and Coagulation with Wikki Stix

Materials:

- 12 Wikki Stix
- Wooden Skewer or pencil

Procedure:

1. Wrap each Wikki around the skewer to form a tight coil.
2. Twist the two ends of the Wikki in opposite directions to break the tension, then slide it off the end.
3. Slightly pull each coil to elongate it, then fold it over on itself a few times, pressing points of contact to create bonds.
4. Continue this process until you have a group of shapes simulating natural protein molecules.
5. Separate and unwind each Wikki to simulate denaturing.
6. Arrange the “relaxed” Wikkis into a crisscross web to simulate coagulation.