Blood Clots, Polymers and Strokes Worksheet

1. Explain the relationship between a monomer and a polymer.

2. How and why are blood clots formed?

3. List three ways that a blood vessel can be blocked.

4. What is a stroke and why is it harmful?

5. Match the following with their definitions/functions.
   - embolism: Clot blocking blood flow to the brain.
   - thrombosis: Tool inserted into a blocked vessel in order to suck out a clot.
   - ischemic stroke: Device inserted into a blocked vessel in order to pull out a clot.
   - hemorrhagic stroke: An object that travels through vessels and prevents blood flow.
   - Merci Retrieval System: Bleeding in the brain.
   - Penumbra System: An abnormally growing clot that cuts off blood flow.

6. A person has a stroke and then has difficulty speaking.
   The stroke likely occurred in the ________________________________.

7. A person has a stroke and then has difficulty writing.
   The stroke likely occurred in the ________________________________.

8. A person has a lethal stroke.
   The stroke likely occurred in the ________________________________.