1. Blood begins to clot because of a substance in the cells of all body tissue called “tissue factor”. When tissue factor leaks into the blood it sends a chemical signal to the blood to begin the clotting process.

2. Platelets begin to gather at the site of the injury and start to clog the wound.

3. Fibrogen strands are formed with an intensely complicated set of chemical reactions that must all happen simultaneously. The fibrogen helps the platelets clog the wound and give strength and protection to the injured site while healing takes place.