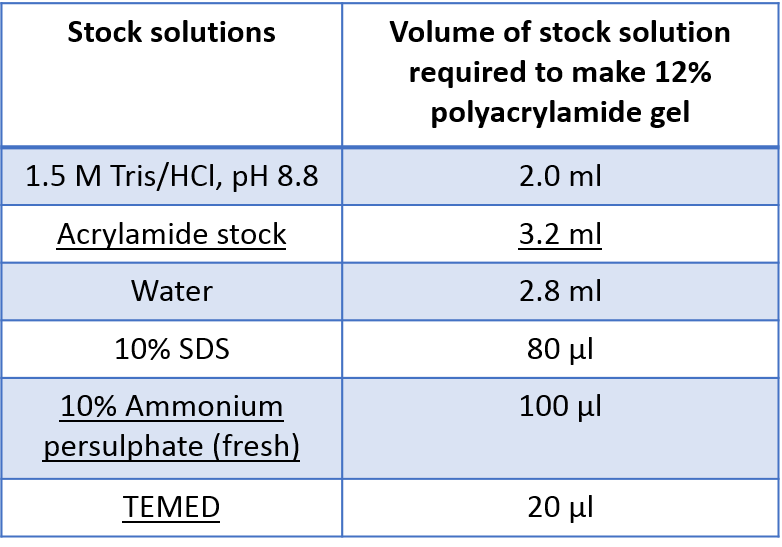
Identify the following:

1. ……………………………………………………………………..
2. ……………………………………………………………………...
3. ………………………………………………………………………
4. ……………………………………………………………………....
5. ………………………………………………………………………
6. ………………………………………………………………………
7. ……………………………………………………………………….
8. ………………………………………………………………………

**2-SDS-Polyacrylamide Gel preparation:**

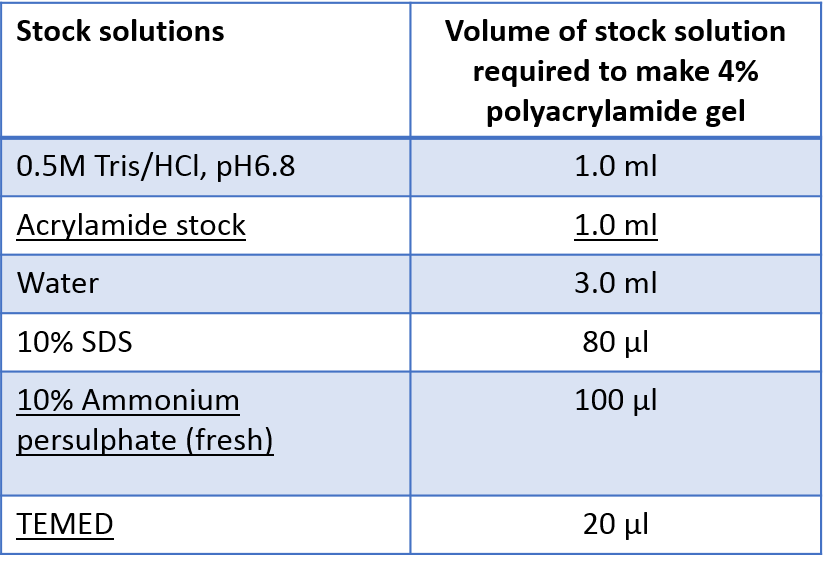
**Separation gel: Add the following to centrifuge tube-**



Note: After adding TEMED, you should immediately pour the gel into the space between the plate using micropipette until the red line, you should add it on one side only,

After the addition, immediately add water to remove any bubbles, and to provide the appropriate environment for polymerization.

After polymerization, remove the water by tissue,

**Prepare stacking gel**

Note: After adding TEMED, you should immediately pour the gel into the space between the plate using micropipette until the end of the short plate, you should add it on one side only, and then **immediately** add the comb, wait until it completely polymerized

**After it polymerization, transfer the gel to the Tank**

* **Add Running buffer in the inner chamber and outer chamber, and then remove the comb carefully!!!**
* **Start loading the sample, keep in mind that the sample is mixed with disruption buffer which includes:………………………………………………………………………………**
* **And their purpose:…………………………………………………………………..**
* **You should include a ladder (marker) ..Why? and it consists of what?....................................................................................................................................................................................................................................................................................**
* **When the run ends, now you must visualized the bands by incubation the gel with ………………………………………….for………………………….**
* **The name of the dye that will color the protein is………………….**
* **Final step is to incubate it with…………………………to……………………………**