**Find Someone Who Can…**

|  |  |  |  |
| --- | --- | --- | --- |
| **Label a diagram of a gel with +/- electrodes and where to load the DNA.** | **Explain why everyone has a unique DNA fingerprint.** | **Explain how ddNTPs are used to sequence DNA.** | **Describe the purpose of PCR.** |
| **Define “transgenic organism” and give an example.** | **Describe the steps of bacterial transformation.** | **Give the function of restriction enzymes.** | **Define “recombinant DNA”.** |
| **Explain how DNA fragments separate in gel electrophoresis.**  | **Describe how stem cells are different from somatic cells.** | **Explain why an antibiotic resistance gene is included in every recombinant plasmid.** | **Define “cell differentiation”.** |
| **Describe how restriction enzymes are used to make a recombinant plasmid.** | **Give the central dogma of biology.** | **Explain how Sanger sequencing uses gel electrophoresis.** | **Describe how stem cells are used in cloning.** |

Your task is to find someone in the class who knows the answer. They must “do” what is in the box and then sign his/her name.