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PLEASE SUBMIT YOUR HOMEWORK THROUGH GOOGLE CLASSROOM

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**For each question, give a detailed solution and explanation.**

**1. Describe DNA.**

**2. The DNA within each human cell is almost 2 m long. The average human has 75 trillion cells. Imagine the DNA from all the cells in your body uncoiled and stretched end to end. Will that reach past the orbit of Pluto in the Solar System?**  
(After you come up with a number, google “solar system scale”; don’t forget to convert your “reach” from meters into astronomical units  $1\text{AU}=1.5 \times 10^{11}\text{ m}$ )