Bio EOC practice quiz 1

1-5-17

1. **Which cellular process converts solar energy into chemical energy?**
   1. **Respiration**
   2. **Transpiration**
   3. **Photosynthesis**
   4. **Chemosynthesis**
2. **Which best explains why a bacterial cell is classified as a prokaryote?**
   1. **The presence of a nucleus**
   2. **The absence of a nucleus**
   3. **The presence of a cell wall**
   4. **The absence of a cell wall**
3. **What is the primary function of DNA in organisms?**
   1. **Binds to specific active sites**
   2. **Stores genetic information**
   3. **Transports amino acids to the ribosomes**
   4. **Produces chromosomes for sexual reproduction**
4. **What piece of equipment is best for measuring the change in the mass of potato slices after placing them in different concentration of salt water?**
   1. **Beaker**
   2. **Metric ruler**
   3. **Graduated cylinder**
   4. **Triple beam balance**
5. **In certain species of roses, white roses and red roses are incompletely dominant to each other. When a red rose and a white rose are crossed, a pink rose is produced. What is the probability of producing a white rose when a red rose is crossed with a pink rose?**
   1. **100%**
   2. **75%**
   3. **25%**
   4. **0%**