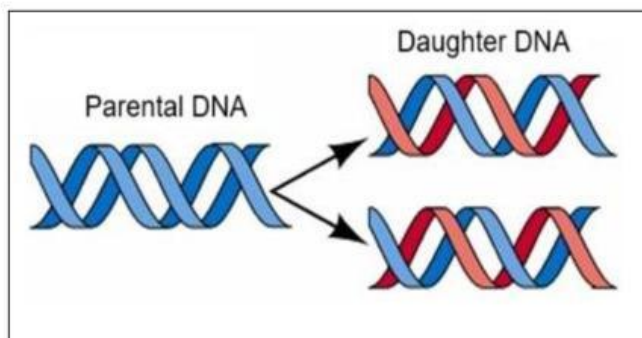


THREE ALTERNATIVE MODELS OF DNA REPLICATION

By Meselson and Stahl

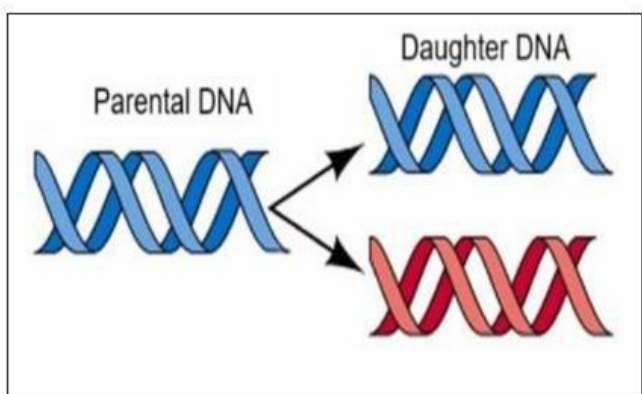
Identify the name of the three alternative models and complete the description of each model.



Name of model: _____

Description:

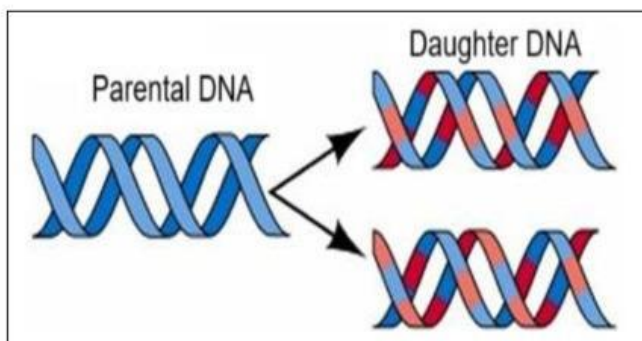
The two strands of parental molecules _____, and each function as a _____ for synthesis of a new complementary strands. After replication, _____ daughter DNA molecules formed. Each daughter DNA molecule has one _____ strand (from the parental DNA) and one _____ strand.



Name of model: _____

Description:

The two strands of _____ molecules separate, and each function as a _____ for synthesis of a new complementary strands. After replication, _____ daughter DNA molecules are formed. One molecule of daughter DNA produced has both _____ strands (from parental DNA) while the other daughter DNA molecule has both _____ strands.



Name of model: _____

Description:

The _____ DNA breaks into fragments and function as _____ for synthesis of a new DNA molecules. After replication, _____ daughter DNA molecules are formed. Each daughter molecule has mixture of _____ fragments (from parental DNA) and _____ fragments.

Which one of the models explain DNA replication?

Name of model: _____

Each daughter DNA molecule has one _____ strand (from the parental strand) and one _____ strand.