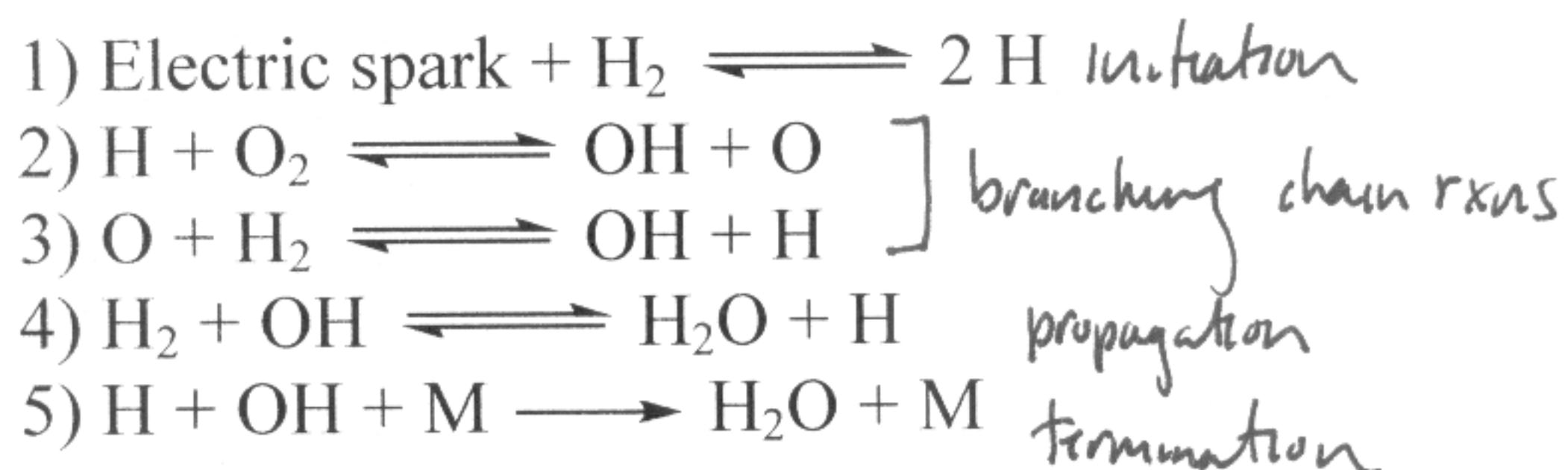


Quiz 7

Hydrogen gas reacts with molecular oxygen in an explosive reaction:



A proposed mechanism for this reaction is:



An elementary reaction that produces more molecules that can participate in chain-propagation steps than it consumes is called a “branching chain reaction.” For this mechanism, identify the initiation reaction(s), propagation reaction(s), branching chain reaction(s), and termination reaction(s).