



3E. Create two circuits of three light bulbs and a battery. Construct one as a series circuit and the other as a parallel circuit.

3F. Study the night sky. Sketch the appearance of the North Star (Polaris) and the Big Dipper (part of the Ursa Major constellation) over at least six hours (which may be spread over several nights). Describe what you observed, and explain the meaning of your observations.

3G. With adult assistance, explore safe chemical reactions with household materials. Using two substances, observe what happens when the amounts of the reactants are increased.

3H. Explore properties of motion on a playground. How does the weight of a person affect how fast they slide down a slide or how fast a swing moves? Design a fair test to answer one of those questions

3I. Read a biography of a scientist. Tell your den leader or the other members of your den what the scientist is famous for and why his or her work is important.