1. What \textit{(very approximately)} is the diameter of the Earth in light units? Is it
(a) less than 0.1 seconds, (b) 5 seconds, (c) 32 seconds, (d) 3.5 minutes? Or
is it another value?

2. As time goes on, why does it become increasingly difficult to communicate with
deep-space probes like Voyager? Is it just the increasing light travel time?

3. What is a very simple observational test that you can do to determine if all
stars are the same, and like the Sun. In thinking of an answer to this, imagine
yourself restricted to naked eye observations of a dark sky. You have access to
no information other than the fact that the Sun is a star.

4. Is a Jovian planet closest to the Earth when we see it in the direction of the
Sun (called \textit{conjunction}) or when it is 180 degrees away from the Sun (called
\textit{opposition}).

5. Can one ask the same question for the planet Venus?