

**26** What is **not** an **essential** condition for an observable interference pattern to occur between the waves from two sources?

**A** The frequencies of the two sources must be equal.

**B** The sources must be coherent.

**C** The sources must emit waves of equal amplitude.

**D** The waves from the two sources must overlap.

**27** Source S emits microwaves with a constant amplitude. The microwaves hit a metal screen D and