

20 A charged object sets up an electric and gravitational field.

What is a similarity between the electric potential and the gravitational potential produced by the object?

- A** Both potentials are equal to the work done by an external force.
- B** Both potentials are inversely proportional to the square of the distance from the centre of the object.
- C** Both potentials are negative.
- D** Both potentials change when moving along a field line.

21 Two wires, X and Y, are made from the same metal. The diameter of wire X is twice that