Factors affecting rate of infrared radiation

1. Colour and texture of the surface
   Dull, black surfaces are better absorbers and emitters of infrared radiation than shiny, white surfaces

2. Surface temperature
   The higher the temperature of the surface of the object relative to the surrounding temperature, the higher the rate of infrared radiation.

3. Surface area
   If two objects have the same mass and materials, the object with the larger surface area will have a higher rate of infrared radiation