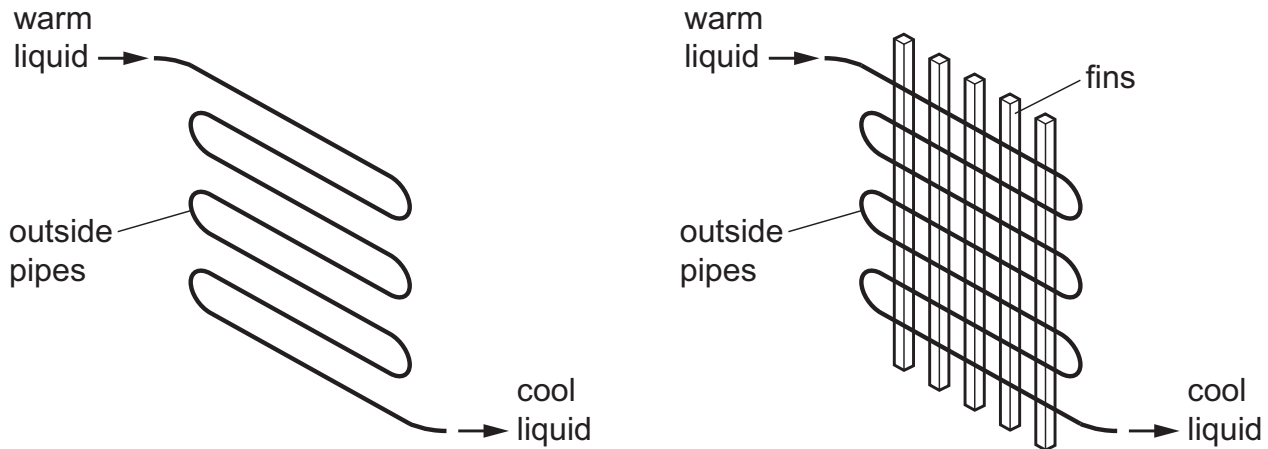


- 16** A liquid passes through pipes inside a refrigerator. The liquid warms as the inside of the refrigerator cools. The warm liquid is then passed through pipes on the outside of the refrigerator to cool it before it goes back through the refrigerator.

The diagrams show two designs for the outside cooling pipes. One design has copper rods, called fins, attached to the pipes.



The outside pipes and fins can be painted silver or black.

Which design of outside pipes will cool the liquid most quickly?

- A** painted black with fins
- B** painted black without fins
- C** painted silver with fins
- D** painted silver without fins