



UNIVERSITY OF
CAMBRIDGE

cognia™

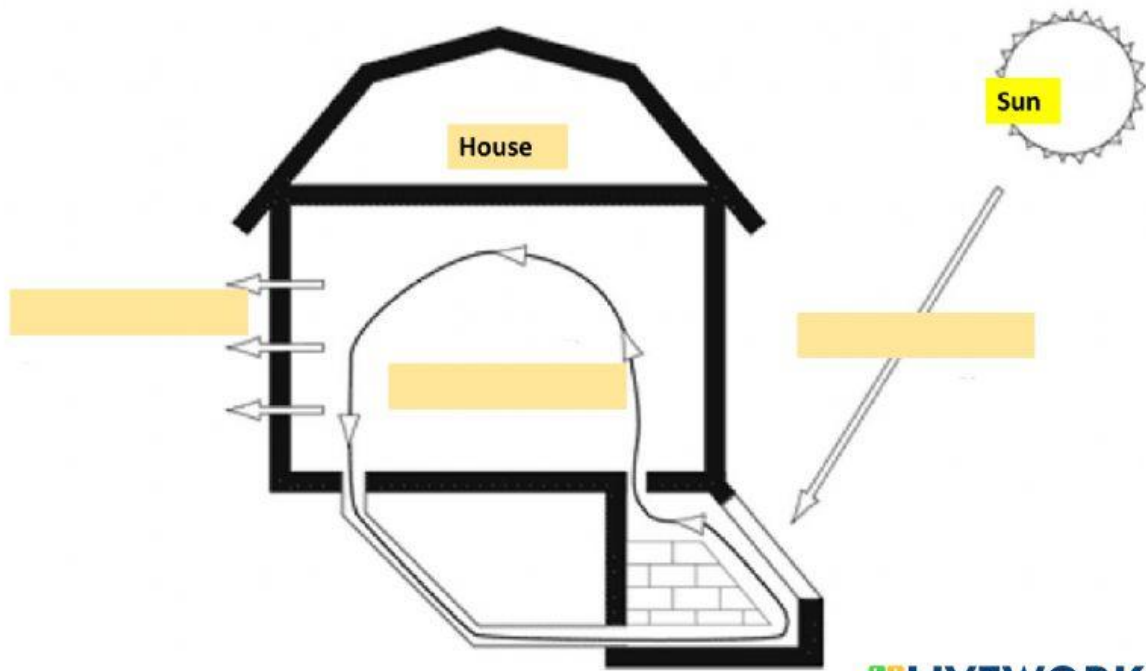


GRADE – 7 REVISION

TR – ASMA BEGUM

 **LIVEWORKSHEETS**

Identify the heat transfer modes



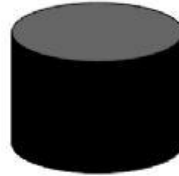
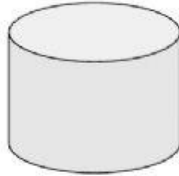
Emission experiment

Four containers were filled with warm water. Which container would have the warmest water after ten minutes?



Shiny metal

Dull metal



Dull black

Shiny black



The _____ container would be the warmest after ten minutes because its shiny surface reflects heat _____ back into the container so less is lost. The _____ container would be the coolest because it is the best at _____ heat radiation.

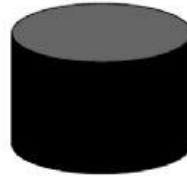
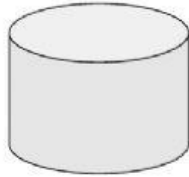
Absorption experiment

Four containers were placed equidistant from a heater. Which container would have the warmest water after ten minutes?



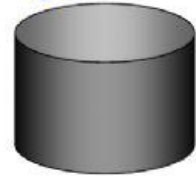
Shiny metal

Dull metal



Dull black

Shiny black



The _____ container would be the warmest after ten minutes because its surface absorbs heat _____ the best. The _____ container would be the coolest because it is the poorest at _____ heat radiation.

