

## Week 4 Session 2 Worksheet

### Layers of Different Reinforcements

Case 1: Fill the box with sand. Put the weight on the sand and observe the sand level. Label the sand level in the box below



Label the sand level

Case 2 (paper): Fill the box  $\frac{1}{2}$  way through. Place **a piece of paper** on the surface of the sand and then fill the box with sand.

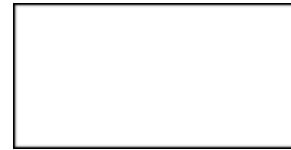


Label the paper



Label the sand level

Case 2 (wire mesh): Fill the box  $\frac{1}{2}$  way through. Place **a piece of wire mesh** on the surface of the sand and then fill the box with sand.



Label the wire mesh



Label the sand level

Case 2 (cloth): Fill the box  $\frac{1}{2}$  way through. Place **a piece of cloth** on the surface of the sand and then fill the box with sand.



Label the cloth



Label the sand level

Case 2 (plastic sticks): Fill the box  $\frac{1}{2}$  way through. Place **5 plastic sticks** on the surface of the sand and then fill the box with sand.



Label the plastic stick



Label the sand level