

## Worksheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### What to do about noise

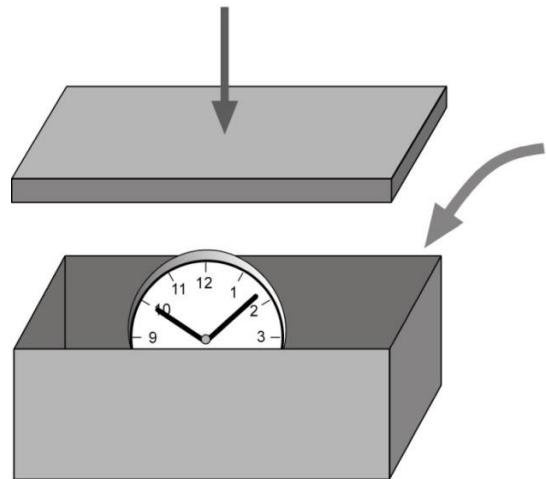
Put a loud, ticking alarm clock in an open box (for example, a shoe box).

#### Task 1:

Cover the box with different materials.

Use things like paper, wood, wool blankets, polystyrene, metal, cushions, or stone slabs.

Use materials of varying thickness.



Then fill in the table.

In the "Thickness" column, enter how thick your sound-absorbing layer is.

Mark an "X" in the corresponding column depending on whether the material absorbs well or poorly.

Absorbing material	Thickness (cm)	Absorbs well	Absorbs poorly
Paper			
Wood			
Wool blankets			
Polystyrene			
Metal			
Cushions			
Stone slabs/stones			

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### Task 2:

Think of other absorbing materials.

Absorbing material	Thickness (cm)	Absorbs well	Absorbs poorly

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### **Task 3:**

Lots of people live in apartments where noise comes through the walls.

Do you have any idea what could be done about that?

#### **Countermeasures:**

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What sort of material should be used for sound absorption?

#### **Possible soundproofing materials:**

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