

**INT. HOME - DAY**

**Father is sitting down for lunch with a thala in front of him.  
Mother is serving fish from a bowl.**

FATHER

I was lucky to get this Hilsa  
fish full of eggs today. Such  
good fish doesn't come up in the  
market often you know.

**MS of father and thala. Father mixes the rice and fish with a  
lot of expectation to relish it.**

**CU of face. Father tastes fish.**

FATHER

Chee! You've spoilt the fish  
again! Throw the fish away! This  
is the third time you have  
spoilt the fish this week!

**Two shot of mother and father.**

Stop your morning job. What's  
the point of earning money if a  
person can not eat a simple meal  
of fish and rice!

**CU of hand and plate. Rinses his hand over the rest of the  
fish and rice, shakes hand and LS walks away. On one corner  
can see boy and his friend looking through books on the study  
table- looking up to hear the commotion.**

FRIEND

(to BOY)

What's that- about your mother's  
morning job?

BOY

With Baba not working , Ma ---  
found a job this week. She leaves  
early in the morning and comes

home at 12 noon. Problem is Baba buys fish at 7:30 in the morning. By the time mother comes back home and starts cooking, the fish is getting spoilt. If only we had a refrigerator to keep the fish cold till it was ready to be cooked!

FRIEND

In this hot summer, this problem is not unique to your home. Even though we eat pure veg in our home, the dishes are getting spoilt very quickly nowadays. Specially with the long load shedding hours.

BOY

Chal, enough of this fishy business. We will be late for the science club. Let's go.

**Both boys pick up bags and walk out of frame.**

**FADE OUT**

**FADE IN**

**INT. SCHOOL CLASSROOM.**

**LS showing classroom.**

Teacher

Heat transfers from warmer objects to cold objects until both reach the same temperature. But there are differences in how quickly heat will transfer through different materials. Materials through which heat transfers quickly are called good conductors of heat while materials through which heat transfers slowly are called insulators.

**CU of blackboard where teacher is writing the words CONDUCTOR and INSULATOR.**

TEACHER (V.O.)

Can anyone give me an example of a conductor or insulator? No.

When it is cold outside, what do you wear to prevent your body heat from transferring to the environment?

STUDENT

**Raising hand**

A Sweater Miss.

TEACHER

Ah Sweater. So is sweater a conductor or insulator?

ENTIRE CLASS

Insulator.

**Teacher turns to board and writes sweater under the word insulator.**

TEACHER

Now what do you use to hold a hot pan? A towel. Good. So the towel is an insulator.

**LS of kids getting excited by news that they are doing an experiment**

Teacher (Cont'd V.O.)

Today You will conduct an experiment to see which of these items are good insulators.

**CU of items on a table near the teacher**

We have with us- thermocol,  
aluminium foil, newspaper and  
plastic.

(I would like to add dirt, mud, wood  
shavings, and cotton - but need to do the  
experiment myself to see which one works  
and how!)

Each group will get 3 bottles full  
of crushed ice. You will try to  
insulate your containers with any  
3 of these materials to determine  
which material has the best  
insulating property. One  
container will remain as a  
control.

**Kids start doing activity in groups.**

**FADE OUT**

**FADE IN**

**LS of teacher standing near a tub**

Well we have our insulated bottles  
ready here. Each bottle has been  
wrapped further with a plastic  
bag. **(CU OF BOTTLES)** Now we will  
put the bottles in this tub of  
hot water. We will take them out  
of the tub after 10 minutes.

**SUPERIMPOSE 10 Minutes later**

TEACHER

What do we have here? Let's  
unwrap the bottles and see.

**MS of kids helping teacher unwrap bottles.**

Yes the bottle wrapped with  
aluminium foil - all ice has  
melted. Wrapped with thermocol-  
no ice has melted. Newspaper-  
some ice has melted.

Well then our winner seems to be thermocol here.

FRIEND

(to BOY)

"Will this help with your fishy problem?"

Your right maybe it can! I know where to get thermocol- there is some in our neighbours' balcony.

**FADE OUT**

**FADE IN**

**EXT./INT. IN FRONT OF NEIGHBORS DOOR**

**Boys outside neighbours' house. Ring bell.**

BOY

Aunty, can we use the thermocol left out here?

AUNTY

Sure you can. What are you going to use it for?

FRIEND

For making a container for keeping our food cool on these hot summer days.

AUNTY

Oh is that something you learnt at school?

BOTH BOYS

Yes Aunty.

AUNTY

Well, let me know if it works. Maybe you can make a container for me too.

**FADE OUT**

**FADE IN**

**INT. KITCHEN - DAY**

**Ma opening insulator contraption that boys have made. She pokes at fish in it.**

MOTHER

My! The fish stays in such a good condition in this box when it is packed in ice. It's almost though it was kept in a refrigerator or something! Thanks boys!