

The background features a dark green gradient with several circular diagrams. A large circular scale with numerical markings from 140 to 260 is prominent. There are also smaller circular diagrams with arrows indicating clockwise or counter-clockwise directions. In the top left corner, there is a golden illustration of a pine branch with several pine cones. One of the pine cones is highlighted with a white dot.

# Pine cone science

by Žemyna Kojelytė



- Which cone is most likely to split when thrown into water
- Will all cones split at the same time
- I have 3 cones: a spruce, a pine and one from Barcelona.

What I will investigate:



First I put the  
cones in the  
**COLD WATER**  
**FILLED** bowls



After 10 hours it looks like:



Which cone will unfold faster;  
Will they all come out the same;



• After 10 hours it looks like





- CONCLUSIONS
- AFTER 10 HOURS IN WATER, THE PINE CONE WAS THE MOST LIKELY TO EMERGE, FOLLOWED BY THE SPRUCE CONE AND THE LAST ONE COMING FROM BARCELONA.
- I INVESTIGATED WHICH WAS THE FASTEST TO SPLIT AND WHETHER HEAT HAS AN EFFECT ON WHICH WAS THE FASTEST TO SPLIT.
- AFTER DRYING THE CONES, I PLACED THEM ON THE RADIATOR. AFTER DRYING FOR 10 HOURS, I PUT THE CONES ON THE BED. THE PINE CONE WAS THE MOST LIKELY TO SPLIT. THEN CAME FROM BARCELONA.
- AFTER 10 HOURS OF OBSERVATION, THE SPRUCE CONE DRIED BUT DID NOT EMERGE.