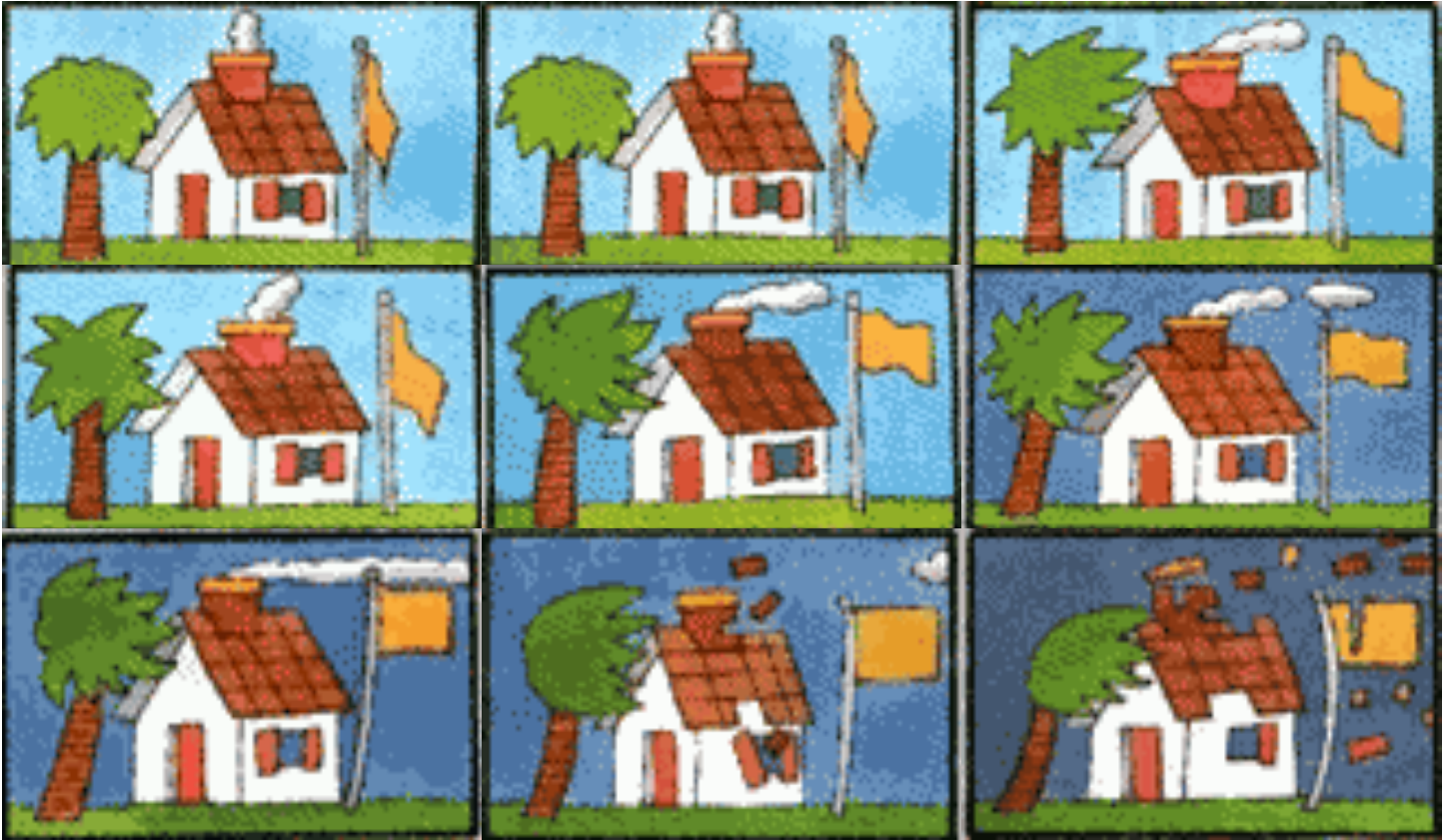




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KNOW YOUR WIND STRENGTHS

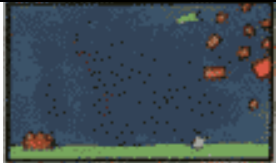
Making progress possible. Together.

KNOW YOUR WIND STRENGTHS

There are 12 different wind strengths which are measured on the Beaufort scale.

Beaufort no.	Wind speed (km/hr)	Wind speed (knots)	Description	Effects on land and sea	Effects on land
0	< 1 kph	< knot	Calm	Still, calm air, smoke will rise vertically. Water is mirror-like.	
1	1-5 kph	1-3 knots	Light air	Wind vane is inactive. Small ripples appear on water surface.	
2	6-11 kph	4-6 knots	Light breeze	Leaves rustle, can feel wind on your face, wind vanes begin to move. Small wavelets develop, crests are glassy.	
3	12-19 kph	7-10 knots	Gentle breeze	Leaves and small twigs move and light-weight flags extend. Large wavelets, crests start to break, and some whitecaps.	
4	20-28 kph	11-16 knots	Moderate breeze	Small branches move, raises dust, leaves and paper. Small waves develop, becoming longer with whitecaps.	
5	29-38 kph	17-21 knots	Fresh breeze	Small trees sway. White crested wavelets (whitecaps) form, some spray.	

6	39-49 kph	22-27 knots	Strong breeze	Large tree branches move, telephone wires begin to "whistle", umbrellas are difficult to keep under control. Larger waves form, whitecaps prevalent, spray.	
7	50-61 kph	28-33 knots	Moderate or strong gale	Large trees sway and it becomes difficult to walk. Larger waves develop and white foam from breaking waves begins to be blown.	
8	62-74 kph	34-40 knots	Gale or fresh gale	Twigs and small branches are broken from trees and walking is difficult. Moderately large waves appear and foam is blown.	
9	75-88 kph	41-47 knots	Strong gale	Slight damage occurs to buildings (e.g. shingles are blown off of roofs). High waves (6 metres), rolling seas, dense foam, and blowing spray reduces visibility.	
10	89-102 kph	48-55 knots	Whole gale or storm	Trees are broken or uprooted and building or storm damage is considerable. Large waves (6-9 metres) with overhanging crests are visible and sea becomes white with foam.	
11	103- 117 kph	56-63 knots	Violent storm	Extensive damage to land and buildings. Large waves (9-14 metres), white foam and reduced visibility.	

12	118+ kph	64+ knots	Hurricane	Extreme destruction and devastation. Large waves over 14 metres, air filled with foam, sea white with foam, spray and little visibility.	
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