

## How strong is the wind?

The British admiral Sir Francis Beaufort observed the wind while sailing the seas. He created a scale for wind force in 1805 based on his observations. It was named after him, and it is still used today by weather forecasters (they are the people who research the weather, also called meteorologists). The scale applies both on land and at sea.

	Windstärke	Bezeichnung	
0	0	Calm	
	1	Light air	
	2	Light breeze	
	3	Gentle breeze	
	4	Moderate breeze	
5	5	Fresh breeze	
8	6	Strong breeze	
	7	Near gale	
	8	Gale	
9	9	Severe gale	
10	10	Storm	
	11	Violent Storm	
	12	Hurricane	

0



5



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9



10



12



# Worksheet

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

## Assignments

For each effect caused by the wind, write in the number of the corresponding wind force.

Wind force	Effect of the wind on land
<input type="checkbox"/>	You can hear the wind whistling in telephone wires.
<input type="checkbox"/>	Strong resistance when walking against the wind.
<input type="checkbox"/>	Trees are uprooted.
<input type="checkbox"/>	Leaves and twigs move.
<input type="checkbox"/>	Severe damage to houses and plants in nature.
<input type="checkbox"/>	Small leaf trees start to sway.
<input type="checkbox"/>	Cars and roofs are blown away.
<input type="checkbox"/>	Small branches move.
<input type="checkbox"/>	No air movement, smoke rises vertically.
<input type="checkbox"/>	Minor damage to roofs and houses, branches break off.
<input type="checkbox"/>	Slight resistance when walking against the wind.
<input type="checkbox"/>	Smoke blows in the direction of the wind.
<input type="checkbox"/>	Wind can be felt in the face.

Select three wind forces and draw a suitable picture for it on the next page. Write the number of the wind force in the box provided.

For fast students: Search online to find out what effect the wind has on the sea according to the Beaufort wind force scale. Use the following link for this:

<http://www.spc.noaa.gov/faq/tornado/beaufort.html>

# Worksheet

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

## Some examples of effects of the wind

Wind force 	
Wind force 	
Wind force 	