



*Quiz questions for ENIX<sup>1</sup> game, Series 2 (2005/06)*

What is an essential feature of solar-energy houses?	A) Big, south-facing windows C) Sunflowers in the garden	B) Black roofs D) Solar power supply
What do numeric levels express on the Beaufort scale?	A) Solar radiation C) Precipitation level	B) Wind strength D) Volcanic activity
Where are classic tidal-energy power stations located?	A) On the open sea C) Inland	B) On an island D) On a river estuary
Why are old mills often located on a river?	A) Because flour was transported by barges. C) Because they were driven by water wheels.	B) Because the millstones were water-cooled. D) Because this looks picturesque.
How is biogas obtained?	A) By composting sufficiently-aerated biomass. C) By fermenting biomass under the exclusion of air.	B) From flue gases arising from wood burning. D) From waste air out of WCs.
Where does heat arise from the <b>natural</b> decay of heavy atomic nuclei?	A) In atomic power stations C) In heat pumps	B) In the sun D) In the earth's mantle
Where does heat arise from the fusion of light atomic nuclei to form heavier ones?	A) In modern atomic power stations C) In heat pumps	B) In the sun D) In the earth's mantle
In what direction do the winds blow in a low-pressure cyclone?	A) In the northern hemisphere anti-clockwise and in the southern hemisphere clockwise C) From the sea onto the land	B) From west to east in line with the earth's rotation D) From the mountains into the valleys
What is the fundamental disadvantage of tidal-energy power stations that use a concrete dam?	A) Risk of a dam burst C) Impediment of shipping	B) Reflux of a river, bringing a risk of flooding D) Energy only produced when the moon is full
Which proven additional benefits can power station weirs provide?	A) Protect endangered fish species C) Ships use less energy	B) Contribute to protection from flooding D) Create more jobs
What does the ash consist of that remains after complete combustion of wood?	A) Of non-combustible minerals C) Of charcoal	B) Of unburnt soot particles D) Of hydrocarbons
Where do poisonous fumes and ashes arise occasionally?	A) In the manufacture of biogas C) In forest fires	B) In modern wood-burning systems D) During volcanic eruptions

<sup>1</sup> ENIX – the thrilling game about renewable energies.

## Solutions

Question	Answer	Explications in the ENIX booklet
What is an essential feature of solar houses?	A) Big, south-facing windows	Solar architecture, p. 7
What do numeric levels express on the Beaufort scale?	B) Wind strength	Storm, p. 14
Where are classic tidal-energy power stations located?	D) On a river estuary	Tidal power plant, p. 18
Why are old mills often located on a river?	C) Because they were driven by water wheels.	Undershot water-wheel, overshot water-wheel, p. 20/21
How is biogas obtained?	C) By fermenting biomass under the exclusion of air.	Fermentation of biomass, p. 26
Where does heat arise from the <b>natural</b> decay of heavy atomic nuclei?	D) In the earth's mantle	Geothermal heat (introduction), p. 28
Where does heat arise from the fusion of light atomic nuclei to form heavier ones?	B) In the sun	Sun (introduction), p. 4
In what direction do the winds blow in a low-pressure cyclone?	A) In the northern hemisphere anti-clockwise and in the southern hemisphere clockwise	Tornado, hurricane, typhoon, p. 14
What is the fundamental disadvantage of tidal-energy power stations that use a concrete dam?	C) Impediment of shipping	Tidal power plant, p. 18
Which proven additional benefits can power station weirs provide?	B) Contribute to protection from flooding	Power stations on rivers, p. 21 and Floods, p. 22
What does the ash consist of that remains after complete combustion of wood?	A) Of non-combustible minerals	Open fires, p. 24
Where do poisonous fumes and ashes arise occasionally?	D) During volcanic eruptions	Volcanic eruption, p. 31