Chemical Elements

Zebra Puzzle





Five students are talking about their favorite chemical elements. Follow the clues and find out which is the favorite chemical element of the student wearing the black shirt.

Shirt: black, blue, green, purple, red

Name: Carol, Elizabeth, Grace, Nancy, Teresa

Age: 12 years, 13 years, 14 years, 15 years, 16 years

Element: Carbon, Hydrogen, Iridium, Lithium, Nitrogen

Scientist: Albert Einstein, Gregor Mendel, Isaac Newton, Louis

Pasteur, Niels Bohr

Pet: cat, dog, parrot, rabbit, turtle

| | Student #1 | Student #2 | Student #3 | Student #4 | Student #5 |
|-----------|------------|------------|------------|------------|------------|
| Shirt | | | | | |
| Name | | | | | |
| Age | | | | 7 5 | |
| Element | | | | | |
| Scientist | | | | | |
| Pet | | | | | |



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The girl wearing the Green shirt is exactly to the left of The student who likes the element whose symbol is Ir is exactly to the right of the student wearing the Red the girl whose favorite scientist is the English physicist. shirt. The 14-year-old student is somewhere between Elisa The girl who likes Newton also likes the Carbon. and the 13-year-old student, in that order. At the second position is the student who likes the Grace is somewhere to the right of the girl who is element that is used a lot in Batteries. wearing the Red shirt. The 13-year-old girl is somewhere between the 15 and The youngest student is exactly to the left of the 16-year-old girls, in that order. student who likes the "king of the elements". The student wearing the Green shirt likes the physicist The girl who has a Parrot is somewhere to the right of Niels Bohr. the girl that is wearing the Green shirt. The girl who has a Turtle is somewhere between the Teresa is next to the girl whose favorite chemical element is Lithium. girl who likes the German physique and the girl who has a Cat, in that order. Nancy is exactly to the left of Grace. The student wearing the Green shirt likes the chemical The student wearing the Blue shirt is next to the element that is used a lot in Fertilizers. student who likes the element whose atomic number is The 15-year-old girl is exactly to the left of the girl who 3. has a Reptile. The girls that like Isaac Newton and Louis Pasteur are next to each other. The student wearing the Purple shirt has a Turtle as a pet. At the fourth position is the girl who has a Rabbit.

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| | Student #1 | Student #2 | Student #3 | Student #4 | Student #5 |
|-----------|-----------------|---------------|------------|--------------|---------------|
| Shirt | blue | purple | green | red | black |
| Name | Elizabeth | Carol | Teresa | Nancy | Grace |
| Age | 15 years | 14 years | 12 years | 13 years | 16 years |
| Element | Hydrogen | Lithium | Nitrogen | Carbon | Iridium |
| Scientist | Albert Einstein | Gregor Mendel | Niels Bohr | Isaac Newton | Louis Pasteur |
| Pet | dog | turtle | cat | rabbit | parrot |



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