

Comenius partnership: “Let’s clean up Europe”

MEETING IN SILILY FROM 26th to 31th May 2014

GLASS QUESTIONNAIRE

1-Learn about the history of the glass? Talk about it.

The origin of glass is very ancient and still mysterious.

According to Plinio, glass was discovered accidentally by some Phoenicians merchants around the year 5000 b.C. Having landed in Syria, on the banks of the River Euphrates, they lit a fire and used blocks of nitrate, taken from the cargo they were transporting, to rest their pans on. The natron had melted because of the heat of the fire and mixed with the sand on the beach producing a new transparent liquid. The Phoenicians immediately realized the importance of the discovery, and organized an industry in their cities of Tiro and Sidone, that started the productions of objects with the new material.

The glass work spread in Syria, Egypt and Greece and also across the Mediterranean area

During the Roman Empire was made jars and bottles. In the island of Torcello near Venice were found some glass objects dating from the seventh and to eighth century. Today Venice is one of the most visited cities in the world, it is famous for the beautiful glass of Murano.

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***Today Murano glass* is a famous product of the Venetian island of *Murano*. Located off the shore of Venice, Italy.**

It is believed that glassmaking in Murano originated in 9th century Rome, with significant Asian and Muslim influences, as Venice was a major trading port. Murano’s reputation as a center for glassmaking was born when the Venetian Republic, fearing fire and destruction of the city’s mostly wooden buildings, ordered glassmakers to move their foundries to Murano in 1291.

2-What material is the glass made?

Glass is a combination of sand and other minerals that are melted together at very high temperatures of 1700°C

3-The glass is

- -Though

- -Transparent 23
- -Matt
- -Soft
- -Flexble
- -Fragile 23
- Sharp 23
- -Solid 23

4- Describe the stages of production of glass.

Glass is a combination of sand and other minerals that are melted together at very high temperatures of 1700°C

5- Which type of glass do you know? –

There many types of glass.

Transparent glass is used for making windowpanes, tableware, bottles and bulbs, windows, doors. Coloured glass is used for decorating walls, making sunglasses, and for making light signals for automobiles, trains and aeroplanes.3. Plate glass: It is used in shop windows and doors. Safety glass is used in automobiles. It is also used for making bulletproof screens. Laminated glass: It is used in aeroplanes and windshields of cars. Optical glass:

Is used to manufacture lenses, prisms and other optical instruments. Esistono diversi tipi di vetro:

6- Which alimentary products are packaged into bottles or glass jars in your country?

Fruit in syrup - fruit juice - tomato - oil – milk – beans – peas – pickless – wine, liquor

7- What does your family do with bottles and empty glass jars?

- I re-use them 10
- I throw 3
- I reduce the consumption of products into glass package
- I don't use glass package
- I make the collaction 10
- Something else

8- What type of glass can be recycled?

- Glass bottle
- Lamp
- Glass jar
- Ceramic products
- The TV or PC screen

9-How is the collection and the recycle of glass in your country?-----

10- How many times can you recycle the glass?

- Once
- Twice
- Three times
- To infinite

11- Why do you think is useful recycle the glass?

- Save materials
- Save on production cost
- Save in electricity
- Reduce greenhouses
- Save the environment

12- Are there glass factories in your country or city

- Yes
- No

Murano glass is a famous product of the Venetian island of **Murano, the city had become well known for its glassmakers, who created unique Murano glass**. Some say authentic Murano glass is fabricated only in Murano. *Glass mirrors began to be produced by the Venetian glass makers at the end of the 15th century*

13- What items are produced with the glass?7

- Jewlery
- Chandeliers
- Ornaments
- Bottle
- Jars
- Glass for doors and window
- Other

14- In the churches, in the buildings in your country, are there stained glass?

- Yes
- No

Where? Documents with photos or drawings.

11- Do you think the glass is indispensable in our lives?

- Yes
- No