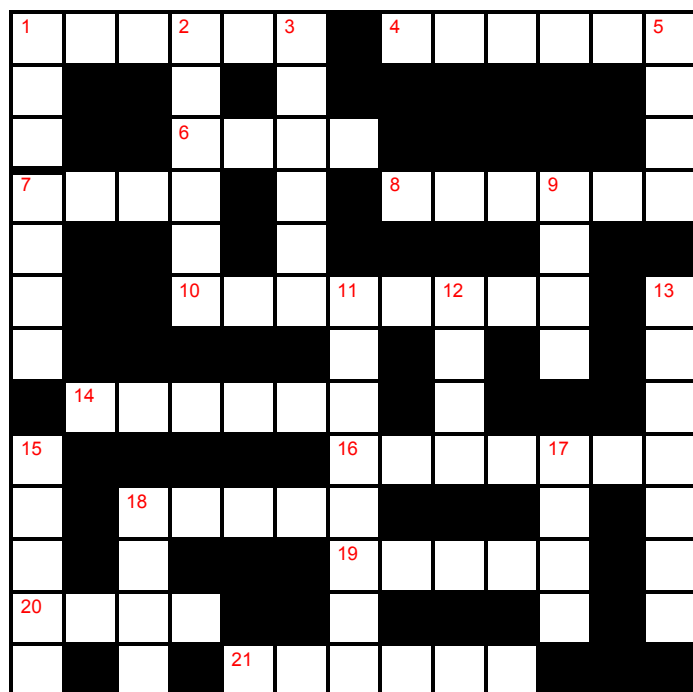


Glass_making_13x13_2006-11-12

B.B. Huria



Across

- 1 A surface decorated with many small adjoining pieces of coloured stone or glass pieces. (6)
- 4 A coloured glassy compound that is fused to the surface of metal or glass or pottery for decoration or protection. (6)
- 6 A large oven for firing or burning or drying glass objects. (4)
- 7 Sodium carbonate. (4)
- 8 A pocket of gas trapped in glass during glass making. (6)
- 10 A method of engraving so that the ornamentation is cut into the object and lies below the surface. (8)
- 14 A lamp for producing a flame for heating purposes. (6)

- 16 An air-filled void, of any shape, in the glass body. (7)
- 18 Minute bubbles of gas entrapped in glass body. (5)
- 19 Any object embedded in the surface of glass object. (5)
- 20 Sheet glass cut in shapes for windows or doors. (4)
- 21 Also called punty, it is a solid metal rod that is tipped with a wad of hot glass, then applied to the base of a vessel to hold it during manufacture. (6)

Down

- 1 Glass is typically a ____ of inorganic compounds, usually transparent or translucent, hard, brittle, and impervious to the natural elements ("vitreous properties").

- (3)
- 2 A flux consisting of potassium or sodium carbonate is an essential ingredient of the batch for glassmaking; it reduces the melting point of silica, the main component of the batch. (6)
- 3 Pieces of broken glass. (6)
- 5 Calcined limestone added to the glass batch for imparting stability. (4)
- 7 Any of the glutinous materials, such as glue and resin, used to affix colour or gold leaf. (4)
- 9 Also called gather. (4)
- 11 The technique of grinding with an abrasive wheel. (8)
- 12 Oven used for annealing glass objects. (4)

- 13 A tool consisting of two rectangular pieces of wood used to squeeze a blob of glass in order to form the foot. (7)
- 15 The oldest known specimens of glass are from ____ (c.2000 B.C.). (5)
- 17 Glass is a great refractor of light _____. (4)
- 18 The most common form of silica used in making glass. (4)