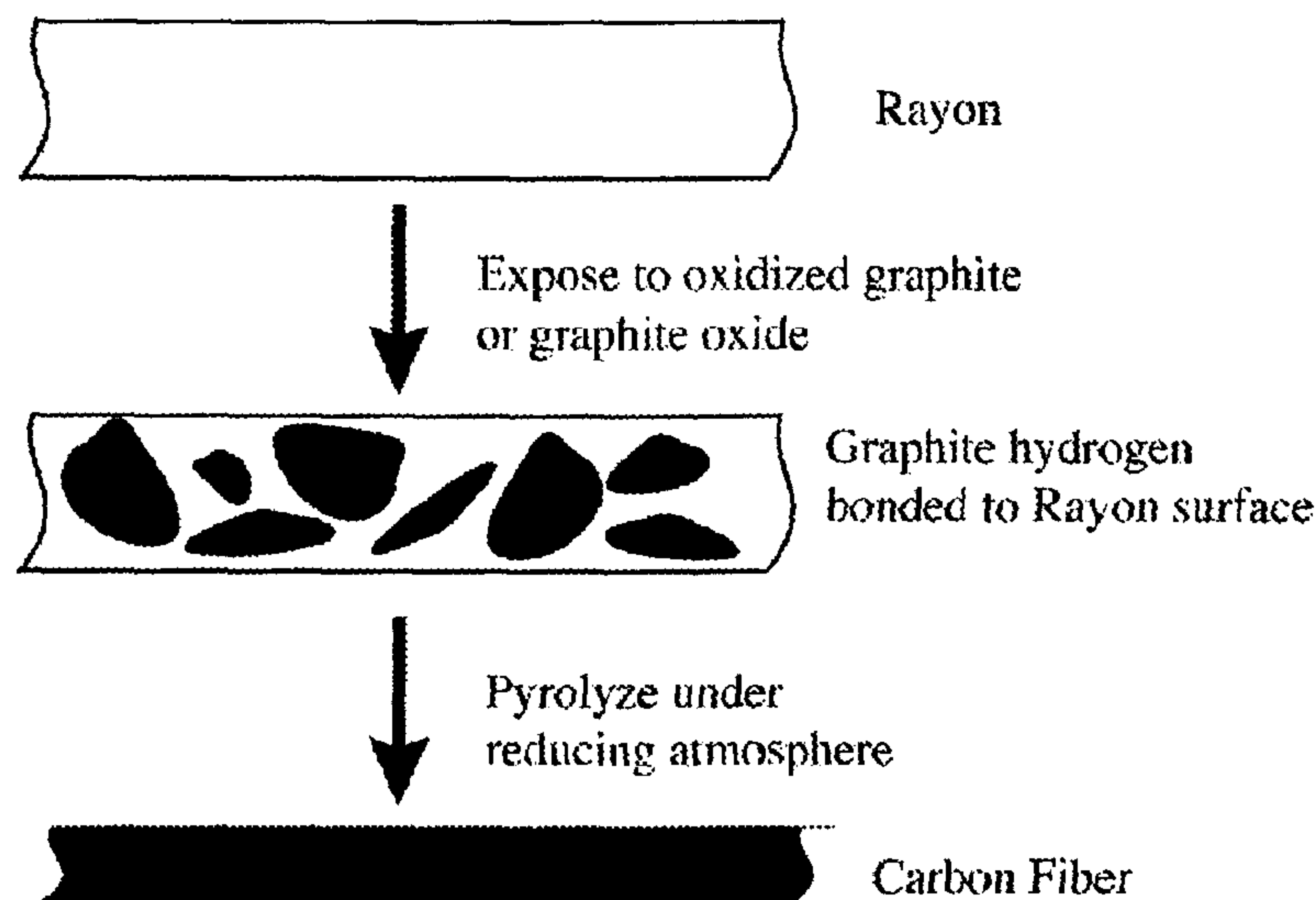




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(54) Titre : GRAPHITE OXYDE ET FIBRE DE CARBONE
(54) Title: OXIDIZED GRAPHITE AND CARBON FIBER



(57) Abrégé/Abstract:

A mechanochemical oxidation process that allows relatively benign oxidizers to be used for the production of at least partially oxidized graphite, and a method of preparing a carbon fiber using oxidized graphite and a fiber component. Partially oxidized graphite is fully dispersible in water and can be used to prepare thin films with conductivities rivaling pure graphite. This offers the potential for improved electronic displays, solar cells, and lithium ion batteries. A carbon nanotube and a method of making the same is also provided.

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