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The surface chemistry of paper is responsible for many important paper properties, such as gloss, waterproofing, and printability. Many components are used in the paper-making process that affect the surface. Pigment and dispersion medium. Coating components are subject to particle-particle, particle-solvent ...

[Surface chemistry of paper - Wikipedia](#)

[Papermaking Chemistry](#) is volume 4 in the Papermaking Science and Technology Series, published by the Finnish Paper Engineers' Association. This comprehensive textbook presents an overview of the design and operations of the dryer section of a modern paper machine.

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Paper chemicals designate a group of chemicals that are used for paper manufacturing, or modify the properties of paper. These chemicals can be used to alter the paper in many ways, including changing its color and brightness, or by increasing its strength and resistance to water. Sulphite pulp mill discharging wastewater in 1973

[Paper chemicals - Wikipedia](#)

In the chemical process, wood chips from de-barked logs are cooked in a chemical solution. This is done in huge vats called digesters. The chips are fed into the digester, and then boiled at high pressure in a solution of ... Sawdust is a key component in paper making if there is a wood mill around. All the

sawdust is captured in trucks or ...

How paper is made - material, manufacture, making, how to ...

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interest in papermaking, comprises about 50 percent of wood by oven-dry weight. Lignin, which cements the wood fibers together, is a complex organic chemical the structure and properties of which are not fully understood, It is largely burned for the generation of energy used in pulp and paper mills. As the chemistry of lignin becomes better under-

The Pulp and Paper Making Processes

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