STUDENT A

Read the text below and write questions to the missing parts. Ask student B your questions to fill the gaps. Then answer student B's questions.

NITROCELLULOSE

Adapted from http://en.wikipedia.org/wiki/Nitrocellulose

STUDENT B

Read the text below and write questions to the missing parts. Answer student A's questions. Then ask student A your questions to fill the gaps.

NITROCELLULOSE

Adapted from http://en.wikipedia.org/wiki/Nitrocellulose

Nitrocellulose (also: cellulose nitrate, flash paper) is a highly flammable compound formed by nitrating cellulose through exposure to nitric acid or another powerful nitrating agent. When used as a propellant or low-order explosive, it is also known as guncotton. Nitrocellulose plasticized by camphor was used by 1., from the late 1880s as a film base in photograph, X-ray films and motion picture films; and was known as "Nitrate film". After numerous fires caused by unstable nitrate films, safety film started to be used from the 1930s in the case of X-ray stock and from 1948 for motion picture film.

| 2 discovered in 1832 that nitric acid, when combined with starch or wood |
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| fibers, would produce a lightweight combustible explosive material, which he named |
| xyloïdine. A few years later in 1838 another French chemist Théophile-Jules Pelouze (teacher |
| of Ascanio Sobrero and Alfred Nobel) treated paper and cardboard in the same way. He |
| obtained a similar material which he called nitramidine. Both of these substances were 3. |
| , and were not practical explosives. |

| Böttger. | | |
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in 1846 and was the first 6., much to the disappointment of Schönbein and