Prelim Bits 01-02-2017

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Thermal conductivity:

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- Thermal conductivity is the property of a material to conduct heat and it depends on the prevailing temperature.
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- Thermal conductivity is measured in watts per meter kelvin (W/m.K).
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- It is high among the metals than non-metals and gases. Diamond has the highest thermal conductivity while Silica aerogel has the lowest.
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- The thermal conductivity of any conductor is attributed to its electron which transfers heat between different configurations.
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South Talpatti Island:

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- South Talpatti or New Moore, was a small uninhabited offshore sandbar island in the Bay of Bengal, off the coast of the Ganges-Brahmaputra delta region and few kilometers from the mouth of the Hariabhanga River.
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- It emerged in the Bay of Bengal in the aftermath of the Bhola cyclone in 1970 and disappeared at some later due to sea level rise, changes in monsoonal

rain patterns which altered river flows and land subsidence.
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- Both India and Bangladesh claimed sovereignty over it because of speculation over the existence of oil and natural gas in the region.
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- According to Permanent Court of Arbitration's verdict in 2014, the island will be under the jurisdiction of India, even though it is currently beneath the sea level.
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Hatiya Island:

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- Hatiya Island is an island in the northern Bay of Bengal, Bangladesh, at the mouth of the Meghna river.
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- The Island falls under Noakhali District of Bangladesh. Other major offshore islands of this region are Bhola Island (which is the largest) and Manpura Island.
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- All of these islands are densely populated and it is frequently subject to cyclones and destructive ocean waves.
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- In 2015, Bangladesh government decided to relocate some Rohingya Muslims to Hatiya Island after the recommendation of Myanmar state-appointed body headed by Kofi Annan.
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