



CRYPTOCURRENCY EMISSIONS

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Q & A

What is Cryptocurrency?

| 01 |





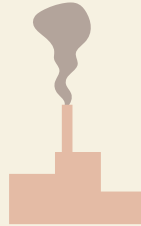
Cryptocurrency is a form of payment
that can be exchanged online for
goods and services. More than 13,000
different cryptocurrencies are traded
publicly

NERDWALLET.COM

Why Cryptocurrency?

FUTURE

Currency of the future
and people want to
buy it now before
price increase

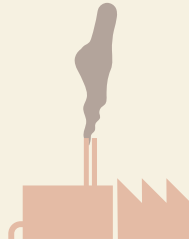


INCREASING VALUE

Going up in value
regardless of
long-term acceptance
of the currency

NO CENTRAL BANK

over time these banks
tend to reduce the
value of money via
inflation



MORE SECURE

Decentralized
processing and
recording systems



What does it mean to mine cryptocurrency?

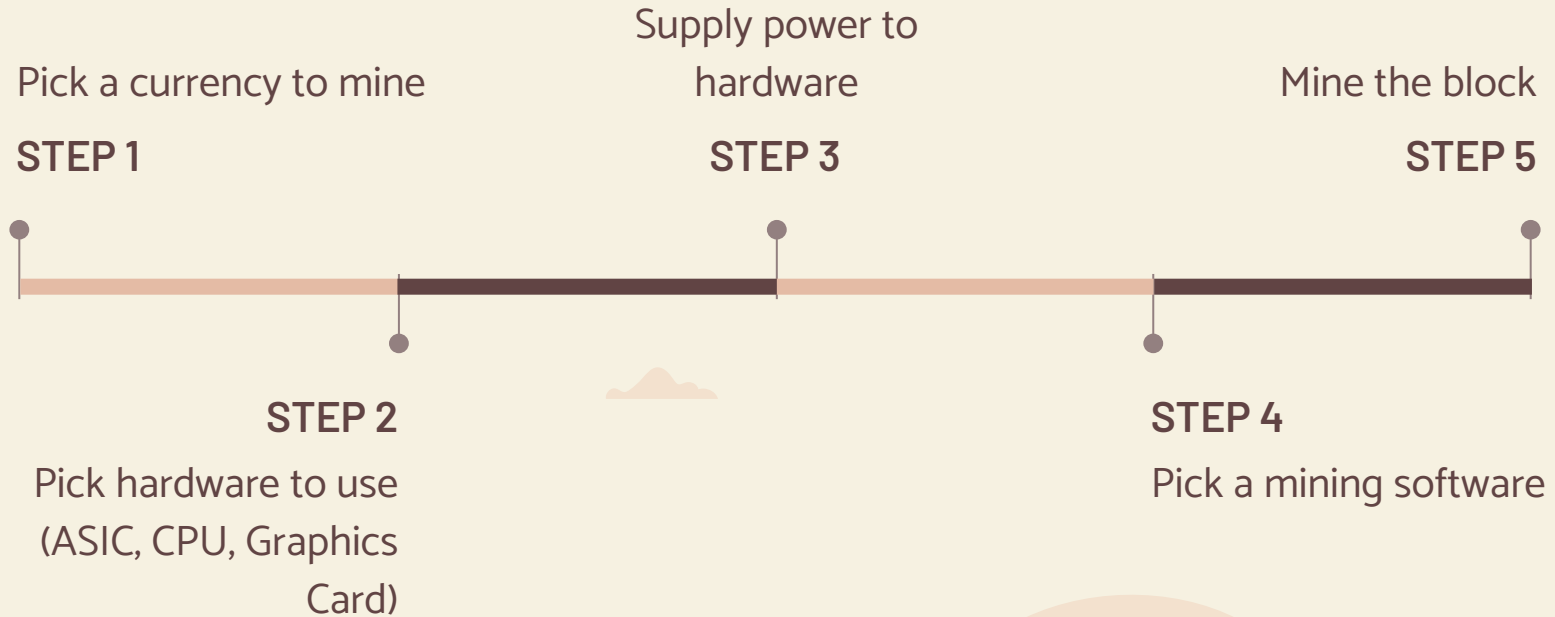
To solve equations on an algorithm and blockchain to find blocks that rewards currency



**Cryptocurrency mining is
painstaking, costly, and only
sporadically rewarding.**



MINING PROCESS



ENERGY SOURCES

COAL



OIL



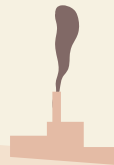
NAT. GAS



HYDRO



SOLAR



ENVIRONMENTAL IMPACT

1. While cryptocurrency does not cost any energy to build, mining it requires large amounts of electricity.
2. At current rates, such bitcoin "mining" devours about the same amount of energy annually as the Netherlands did in 2019.
3. The source of this electricity can come from sources such as coal, solar power, wind power, natural gases.
4. Bitcoin production is estimated to generate between 22 and 22.9 million metric tons of carbon dioxide emissions a year, or between the levels produced by Jordan and Sri Lanka

Ethical Issues

- Double spending
- Expectations- security, privacy, efficiency and integrity
- The need to avoid the inadvertent facilitation of unconscionable conduct
- Bargaining Power (worth of the cryptocurrency)
 - Forced, fear, and/ or fraud

Are regulations of crypto on the way?

- Which agencies have the authority to regulate cryptocurrencies?
- Securities and Exchange Commission (SEC)
- Commodity Futures Trading Commission (CFTC)
- Gary Gensler
 - "We need additional congressional authorities to prevent transactions, products, and platforms from falling between regulatory cracks,

What France is doing?

France is currently one of the first countries to slowly do testing and monitoring regulations within virtual currencies.

- One outcome is that if this is to be implemented, all others regulations will need to change to adapt to crypto.



A LOOK AT THE DATA

Click Here

POTENTIAL SOLUTIONS



PROOF OF STAKE

- a mining method where new crypto currency is created through ownership of existing crypto currency rather than traditional proof of work mining which requires a lot of power. (similar to earning interest on a bond)



CLEAN ENERGY MINING

- Solar Power
- Hydro Power
- Wind Power



"BITCOIN FRACKING"

- Normally when companies frack for oil they produce natural gas as waste product and burn it up to get rid of it - instead can use this natural gas produced to power Bitcoin mining rigs and reduce burning gas with the CO2 emissions



THANKS!

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Resources

- <https://www.investopedia.com/tech/how-does-bitcoin-mining-work/>
- <https://www.reuters.com/technology/how-big-is-bitcoins-carbon-footprint-2021-05-13/>
- <https://www.nerdwallet.com/article/investing/cryptocurrency-7-things-to-know>

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