

What is a smartphone made of?

<https://www.youtube.com/watch?v=eldJ22AfsO8>

Before you watch.

Exercise 1. Can you match these words to their meanings?

to reclaim	naturalne siedlisko
feasible	odzyskać
open pit mining	wysypisko
displacement	elektrośmieci
to mine	zdemontować
to run out (of)	skończyć się, wyczerpać się
sustainable	roboty odkrywkowe
natural habitat	wykonalny, możliwy do zrealizowania
dump site	wysiedlenie
e-waste	wydobywać, eksploatować
to dismantle	zrównoważony (nienaruszający równowagi ekologicznej)

Exercise 2. Now complete the sentences with some of the words from exercise 1.

1. Coal and crude oil will _____ one day so we need alternative sources of energy.
2. Many species of animals can get extinct if we destroy their _____.
3. The targets set are ambitious but _____.
4. To _____ this device you need to know what it is made of.
5. _____ such as smartphones, computers, should be disposed of very carefully.
6. _____ development and respect for the environment are factors in economic growth.

Exercise 3. Discuss these questions with a partner.

- How many people use smartphones globally?
- Which chemical elements are the most abundant in the smartphone?
- How many chemical elements are there in total in the smartphone?

Now watch the film and find the answers to these questions.

Exercise 4. Watch the film again and answer the following questions:

1. What are rare earth metals? What are their properties?
2. What are the problems connected with extracting these elements?
3. What are other risks connected with mining metals?
4. Why is reclaiming the metals used in our smartphones necessary?
5. How can we as individuals help?
6. What problems are connected with e-waste?