

“Home” film Notes

The earth is a miracle, life remains a mystery.

The earth relies on a balance in which every being has a role to play and exists only through the existence of another being. This subtle fragile harmony is easily shattered.

Every species has its place and its role to play and they all balance out. We benefit from a 4 billion year old legacy.

fire
water
carbon
algae
trees
soil

Humans moved from nomadic hunting into settling down in areas rich in fish, fowl & good soil.

Canoes turns humans into navigators.

Even today majority of humans live on coastlines.

Towns grow- for protection- men become social beings sharing knowledge becoming civilized.

their only energy is their bodies & nature & is still the case for 1/4 of all people on earth

2 billion people- more than the combined entire populations of all the wealthy nations.

taking only from the earth what was absolutely necessary. Life expectancy is short & hard labor takes its toll. Education is a rare privilege. Children must work to help.

The earth feeds, clothes & provides all needs. Good & ideas are exchanged & spread around.

Animals are domesticated to help humans what they cannot do on their own or can not do as efficiently.

Agriculture changes everything- humans relationship to nature, eliminates the uncertainty of food supply, gives birth to cities. irrigation.

Agriculture is still the dominant human occupation: 1/2 humans still till the soil & 3/4 by hand.

First concern of all humans is to fed themselves & their families.

coal, gas, oil captured from inside the earth changes everything- freeing humans from toil of land.

In 50 years the earth has been more radically changed than by all generations before combined

in 60 years the earth's population has tripled & billions have moved to the cities

1/2 of earths 7 billion inhabitants live in cities

USA gone from country of farmers to agricultural industrialists

while worldwide only 3% of farmers have use of a tractor

grain is used for biofuels & livestock feed.

Single crop farming led to parasite & pesticides to kill them , but also cause damage to all life cells

3/4 of varieties have been wiped out

in next 20 yrs. more ore will be extracted form earth than all the rest of humanity's history added up and this mineral wealth will be consumed by 20% of the earth's population

by the end of this century mining will exhaust all of the planet's reserves

90% of trade goes by sea- 500 million containers transported every year to consumers

we are depleting what nature provides

fishing is emptying the oceans, most large fish are gone

3/4 of fishing areas are exhausted or in danger of being so

but fish is staple diet for 1/5 of all humans

water shortages could affect 2 billion people in 12 years

1/2 of all earths marshes have been drained- needed for purification

forests are cornerstone of climate balance home of countless species & crucial to humidity, crucial to remedies for human illness

but they are being destroyed- each year the amount of forest size of Illinois is burnt-20% of all greenhouse gases released annually

Amazon has been reduced by 20%- given over to cattle ranching

deforestation is one of principle causes of global warming- 2/3 of world depends on charcoal