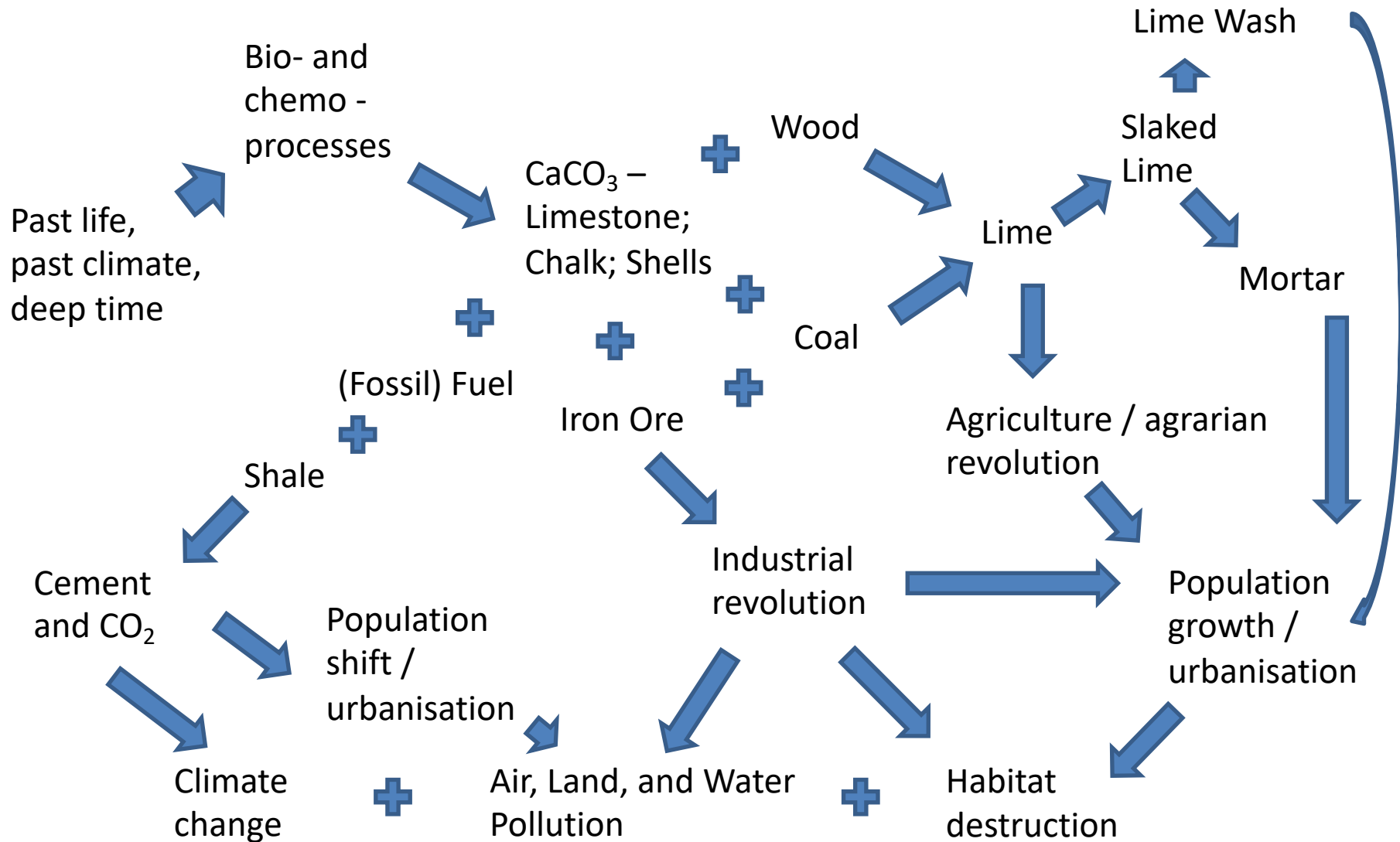


## Limestone and the Destruction of the Biosphere



6-lesson series.

1.  $\text{CaCO}_3$ . What it is, how it (is) formed. Past environments / geography. Samples to handle and examine, including fossils.
2. Practical – making lime and slaked lime in the lab.
3. Practical – making and using mortar to build a small wall, and liming soil to observe the effect on the pH and structure (also OPC?)
4. Research into agrarian revolution, industrial revolutions or cement m/f
5. Research into effect of selected topic on the natural environment  
(homework – design a poster illustrating selected topic & effect on the environment – extend with potential mitigation)
6. Pupil presentation of posters. Class feedback 2S + 1W / teacher feedback same.

Differentiated through pupil selection of topic and breadth / depth of content.

For ASN can be visual and / or textual, cut and paste through to hand-drawn.

- Possibly extend choice of possible formats to include e.g. newspaper article, fully graphical illustration? – ideas appreciated!

E's & O's:

SCN. 3-03a; 3-05b; 3-17b; 4-01a.

HWB. 4-09a; 4-10a; 3-19a; 4-45b.

LIT. 4-02a; 4-06a; 4-07a; 4-28a.

MNU. 4-20a

RME. 4-05b

SOC. 4-05a; 4-05b; 4-08a; 4-10a

TCH. 4-02a; 3-06a; 4-10a