

On the External Characters  
Physical characters are those which we derive  
from peculiarities of Fossils, and  
which are observed in the relations that Fossils  
bear toward other substances.

# A TREATISE

ON

## THE EXTERNAL CHARACTERS

OF

## FOSSILS.

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### CHAP. I.

*Of the characters of Fossils in general, and of the pre-eminence and utility of the external Characters.*

#### §. 13.

THE characters of Fossils are all their properties, by which we distinguish them from each other, and from other substances. They are as numerous as the different modes of *observing* them; and hence we have *external, internal, physical, and empirical* characters.

#### §. 14.

*External characters* are those which we discover solely through the means of our senses, in the aggregation of Fossils: they are also called *Sensible Characters*, the use of our senses being sufficient for their discovery.

*Internal characters* are those which we derive from the analysis of the constitution of Fossils; and, being discovered by the aid of chemical agents, they are also called *chemical*.