

A mind, once stretched
by a new idea,
never regains its
original dimensions.

—Oliver Wendell Holmes

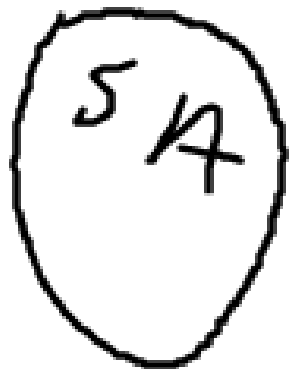
The Scientific Method

Alfred Wegener

German Meteorologist

Early 1900s ^{weather} climate

① Observation



② Ask a Question
Why am I seeing similar fossils?

③ Hypothesis:

Tentative Explanation
changeable

I believe that
the continents
have drifted from
one giant landmass
called Pangaea.

All land together

④ Take some
Data + Observations

⑤ Experimental
Design →

Experiment (s)

⑥

Peer Review
Collective nature
of knowledge

⑦

Publish a Theory.

Theory: An explanation
based on experimental¹
for which there
is no known
Deviation.

Theory of
Plate ~~of~~ Tectonics
Slabs of Rock To Build
 To Destroy