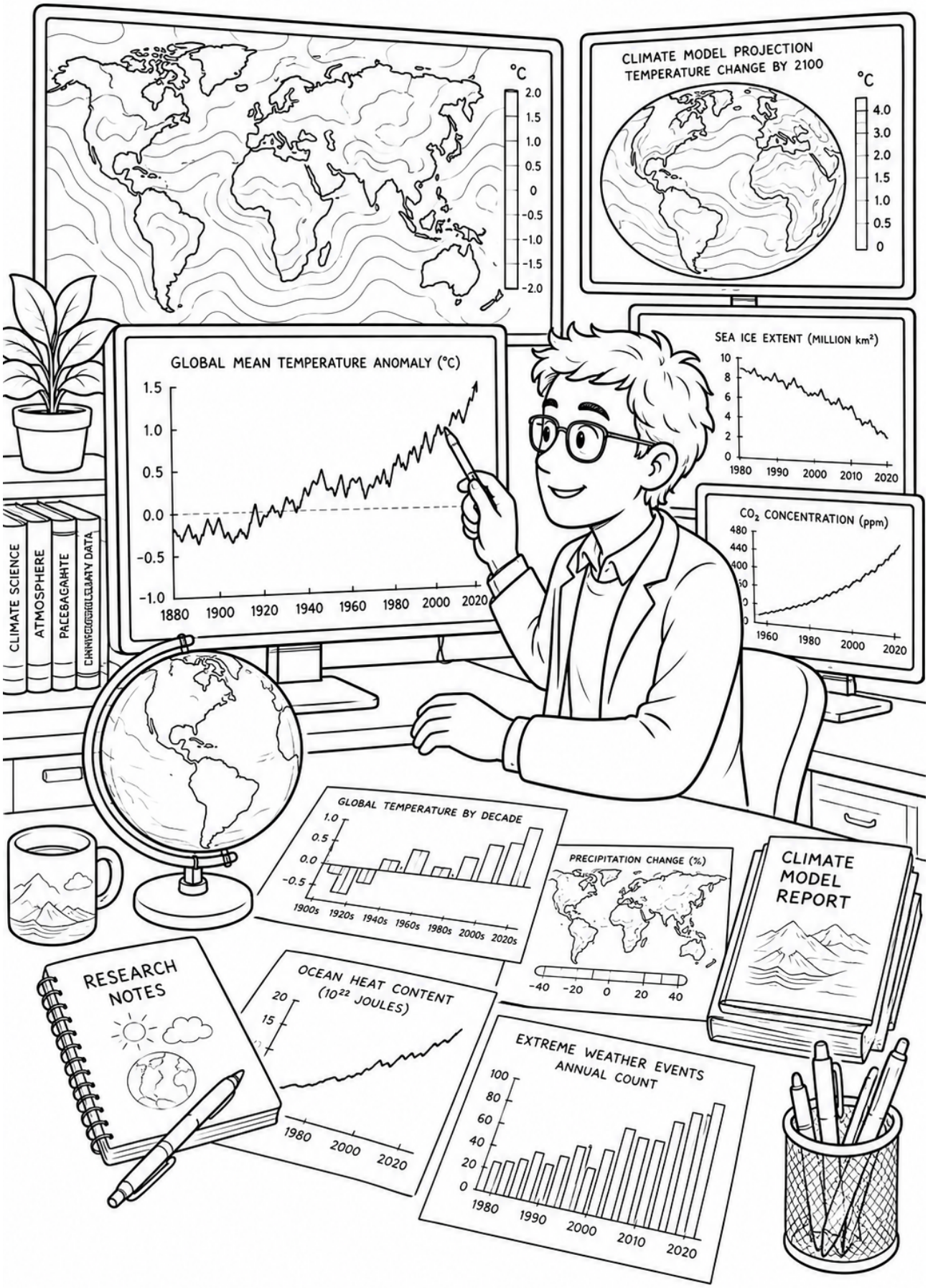
°C
2.0
1.5
1.0
0.5
0
−0.5
−1.0
−1.5
−2.0
CLIMATE MODEL PROJECTION
TEMPERATURE CHANGE BY 2100
°C
4.0
3.0
2.0
1.5
1.0
0.5
0
GLOBAL MEAN TEMPERATURE ANOMALY (°C)
1.5
1.0
0.5
0.0
−0.5
−1.0
1880 1900 1920 1940 1960 1980 2000 2020
SEA ICE EXTENT (MILLION km²)
10
8
6
4
2
0
1980 1990 2000 2010 2020
CO₂ CONCENTRATION (ppm)
480
440
1960 1980 2000 2020
CLIMATE SCIENCE
ATMOSPHERE
GLOBAL TEMPERATURE BY DECADE
1.0
0.5
0.0
−0.5
1900s 1920s 1940s 1960s 1980s 2000s 2020s
PRECIPITATION CHANGE (%)
−40 −20 0 20 40
CLIMATE
MODEL
REPORT
RESEARCH
NOTES
OCEAN HEAT CONTENT
(10²² JOULES)
20
15
1980 2000 2020
EXTREME WEATHER EVENTS
ANNUAL COUNT
100
80
60
40
20
0
1980 1990 2000 2010 2020

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