

STUDY GUIDE

GEO 101 FINAL, Chapters 13-16, 19

The topics under each chapter are the sections of the chapter you should be familiar with. The listing of each “section” is in the advanced table of contents starting on page **vii** in your textbook!

Chapter 13

Sedimentary rocks p 394-398

Relative abundance of rock types - Figure 13-20 p. 401

Types of erosion - Table 13-3, page 405

Deepest drilling into the earth, The structure of the earth p. 387

Chapter 14

Calderas (Crater Lake) P. 437-438

Wegner's Continental Drift P. 413 -415

Laurasia and Gondwanaland fig 14-1, p 414

Shield volcanoes P. 433

Convergent boundaries P 420-422

Mantle plumes (hot spots) p. 426-427 & figure 14-20

Mid-ocean ridges, Figure 14-9 p. 418

Volcano distribution (specifically if a volcano is active or inactive) p. 429

Earthquake magnitude, p 451

Pacific Ring of Fire figure 14-18, p 425

Plate tectonics (direction of plate movement for N. America and Europe) Figure 14-10, p. 419

Chapter 15

Frost Wedging (p. 462)

Creep p. 475-476

Landslides (p. 472)

Mudflow p. 475

Chapter 16

Valleys and interfluves p. 481-482

Stream drainage patterns (dendritic, radial) p. 491

The Role of Floods (intermittent, perennial, and ephemeral streams only) p. 486

stream orders p. 482-483

Knickpoint migration (niagara falls) p. 494-495

Stream channel patterns (dendritic) p 488-489

Stream capture p. 497-498

Channel flow (first 2 paragraphs only) p. 487

Splash erosion (figure 16-5, p. 484)

Lateral erosion p. 496

Where a stream erodes and deposits – look at figure 16-24, page 496

Chapter 19

Pleistocene glaciation (how much of earth covered by glaciers and maps) p. 556

Recessional moraine & terminal moraine p. 571

Antarctic Ice Cap p. 558

Changing Snow to Ice (accumulation and ablation zones) p. 563

Mountain Glaciers (cirques, horns) p. 575-576

Rouche Moutonnee p. 568

Questions breakdown:

Ch 13 - 8

Ch 14 - 13

Ch 15 - 8

Ch 16 - 16

Ch 19 - 15

Total: 60 questions