

NATURAL SCIENCES & TECHNOLOGY

RESOURCE PACK
GRADE 4 TERM 2



GRADE: 4 TERM: 2 STRAND: LIFE AND LIVING

RESOURCE 1

Picture 1: Fosen Stock vector ID: 373460422

Picture 2: By José Manuel Suárez, CC BY 2.0, <https://commons.wikimedia.org/w/index.php?curid=4602887>

Picture 3: <https://pxhere.com/en/photo/877965>

Picture 4: <https://pxhere.com/en/photo/548413>

Picture 5: <https://pxhere.com/en/photo/497983>

Picture 6: By Lusilier - Own work, CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=23149412>

INTRODUCING SOLIDS, LIQUIDS AND GASES

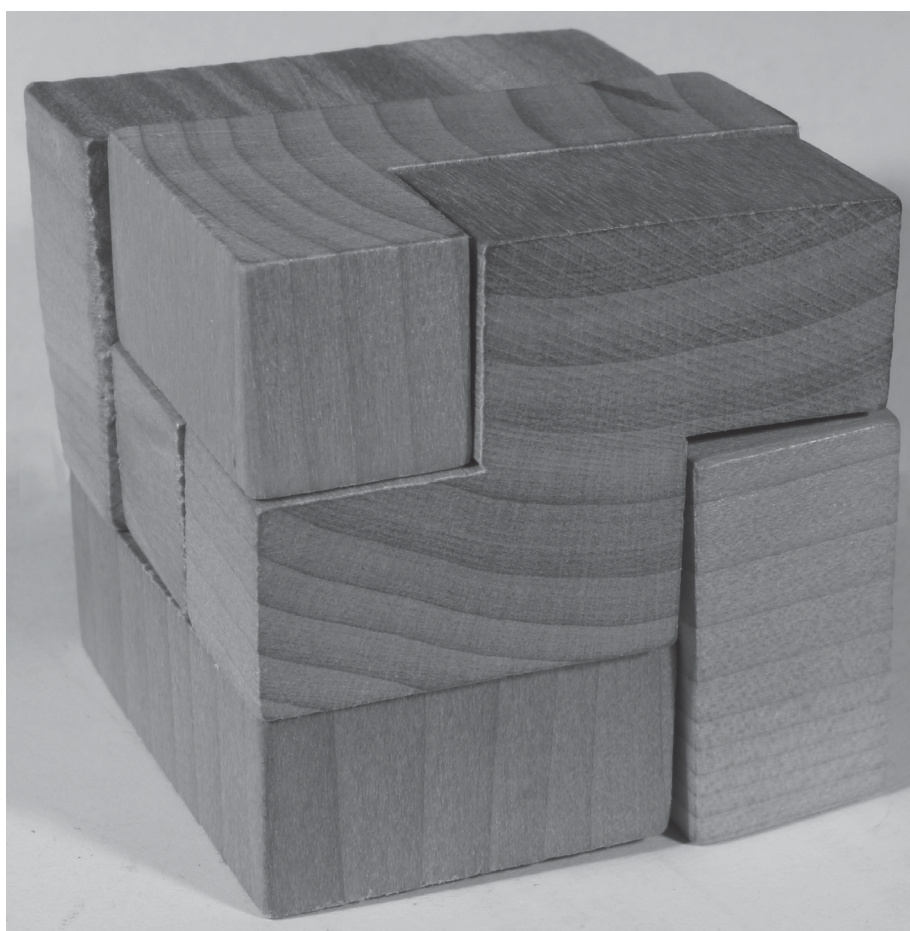
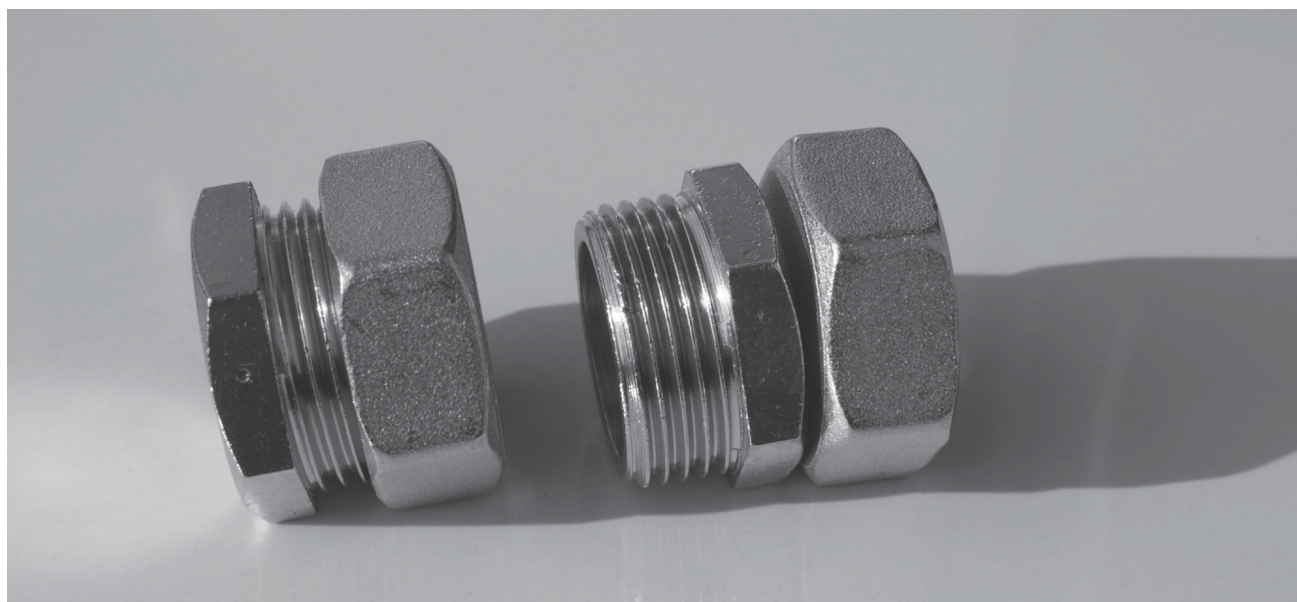


RESOURCE 2

Picture 1: <https://pxhere.com/en/photo/1248805>

Picture 2: NobbiP [GFDL (<http://www.gnu.org/copyleft/fdl.html>), CC-BY-SA-3.0 (<http://creativecommons.org/licenses/by-sa/3.0/>) or CC BY-SA 2.5-2.0-1.0 (<https://creativecommons.org/licenses/by-sa/2.5-2.0-1.0/>)], via Wikimedia Commons

SOLIDS



RESOURCE 3

Picture 1: By Kenny Louie from Vancouver, Canada (Water pour 2) [CC BY 2.0 (<http://creativecommons.org/licenses/by/2.0>)], via Wikimedia Commons

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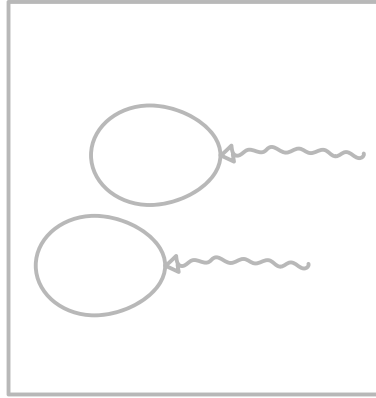
Picture 3: By Hydrel (Own work) [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0>)], via Wikimedia Commons

Picture 4: <https://pxhere.com/en/photo/1377735>

LIQUIDS



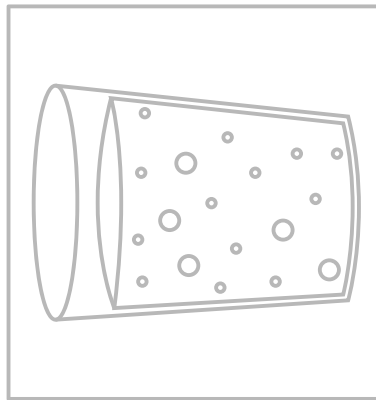
Gases are all around you



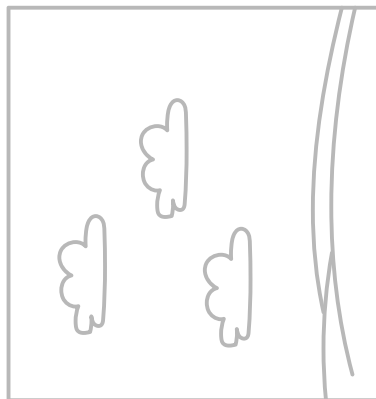
helium in balloons



fumes from volcanos



bubbles in soda



atmosphere of the earth

RESOURCE 5

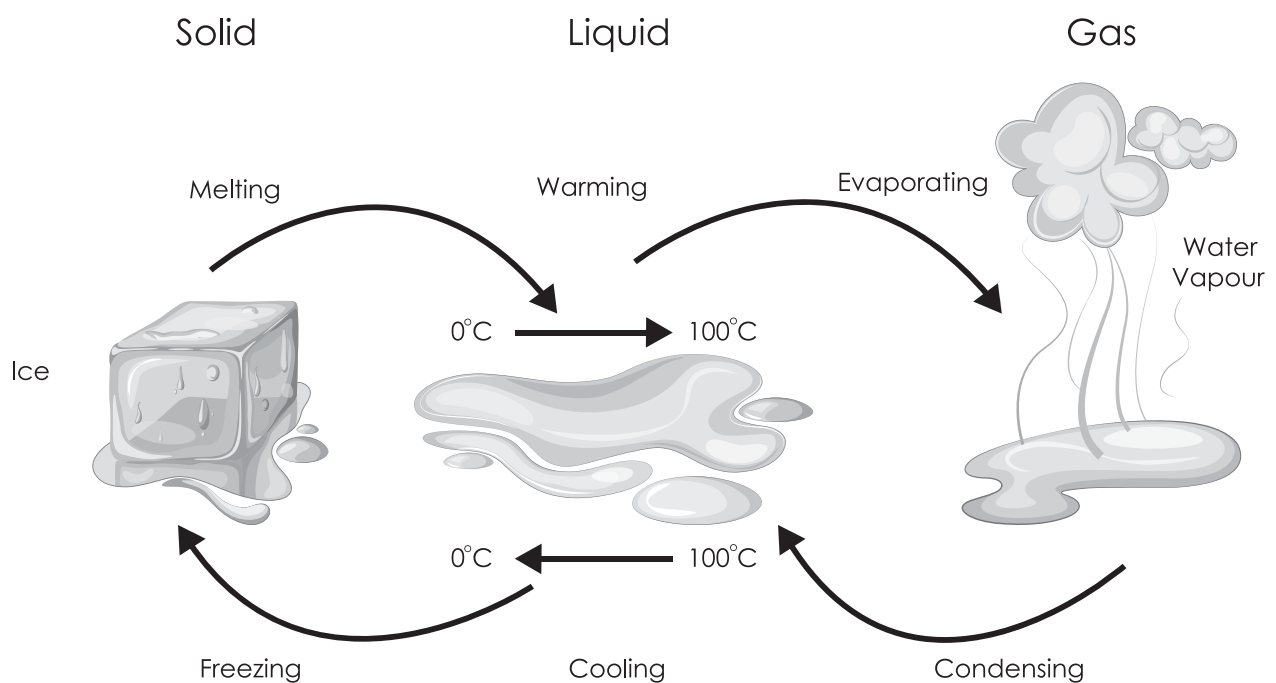
Picture 1: Kazoka Stock photo ID: 132428099

Picture 2: Vecton Stock photo ID: 658148128

CHANGING THE STATE OF MATERIALS



Change of State



RESOURCE 6

Picture 1: Coy_creek Stock photo ID: 231614971

Picture 2: Valentin Volkov Stock photo ID: 95116573

Picture 3: Dimitry Polonskiy Stock photo ID: 414588226

Picture 4: Evgeny Atamanenko Stock photo ID: 668307886

RAW AND MANUFACTURED MATERIALS



RESOURCE 7

Picture 1: Tanja-Vashchuk Stock photo ID: 421657267

Picture 2: Nimit Ketkhan Stick photo ID: 499101403

Picture 3: Thitirat J13 Stock photo ID: 238771657

Picture 4: Rodho Stock photo ID: 78447133

Picture 5: Bunyarit Stock photo ID: 410510926

Picture 6: Dmitry Kalinovsky Stock photo ID: 254497834

Picture 7: Ryszard Filipowicz Stock photo ID: 209314891

RAW AND MANUFACTURED MATERIALS



RESOURCE 8

Picture 1: Nimit Ketkhan Stick photo ID: 499101403

Picture 2: Panksvatouny Stock photo ID: 633452132

Picture 3: Donatas 1205 Stock photo ID: 167034599

Picture 4: Aleksandr Bryliaev Stock Photo ID: 60201730

SAND AND CLAY



RESOURCE 9

Picture 1: Abutyryn Stock photo ID: 102315979

Picture 2: Siberia Video and Photo Stock photo ID: 133998776

Picture 3: Pan Demin Stock photo ID: 525767236

Picture 4: Rzstudio Stock photo ID: 358789424

COAL AND OIL



RESOURCE 10

Picture 1: VJ Matthew Stock photo ID: 84770812

Picture 2: Li Chaoshu Stock photo ID: 120261418

Picture 3: Pa Picasso Stock photo ID: 382484530

PAPER MAKING



RESOURCE 11

Picture 1: Naruedom Yaempongsa Stock photo ID: 361672406

Picture 2: David Ross Stock photo ID: 59020009

Picture 3: Nataliia Pyzhova Stock photo ID: 360018266

ANIMAL WOOL AND HIDE



RESOURCE 12

Picture 1: Dejan Dundjerski Stock photo ID: 428642074

Picture 2: AJT Stock photo ID: 656520049

Picture 3: Zamurovic Photography Stock photo ID: 614228210

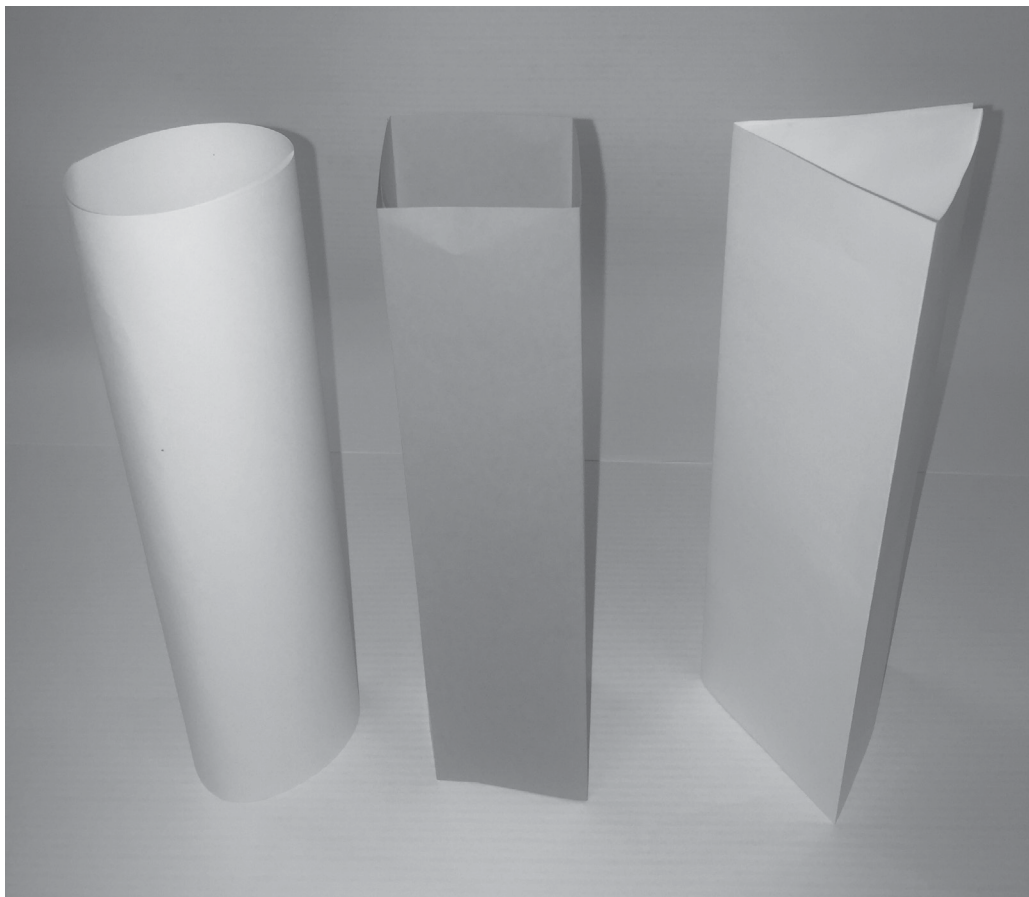
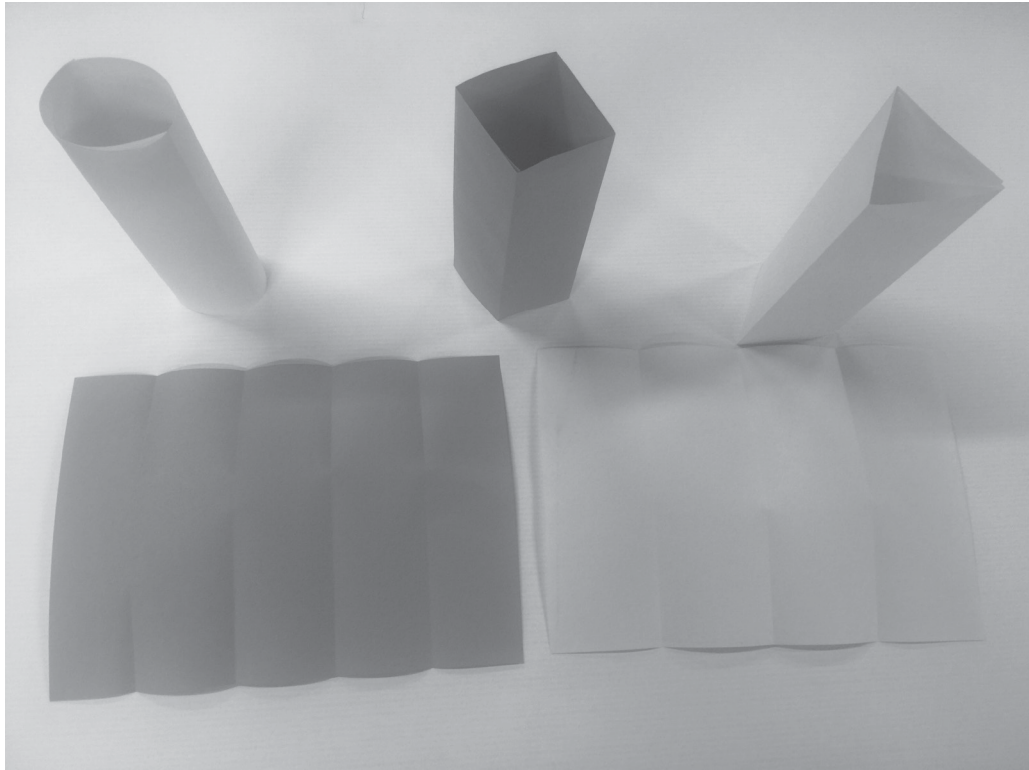
PROPERTIES OF MATERIALS



RESOURCE 13

Pictures: Jon Gunning – Own Collection

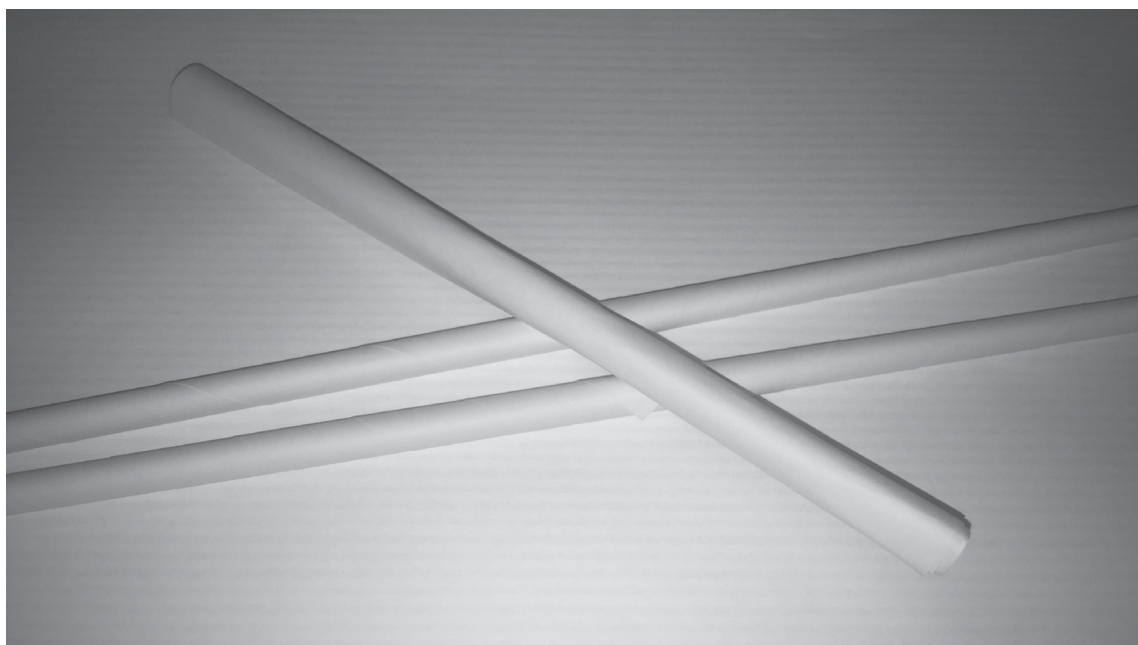
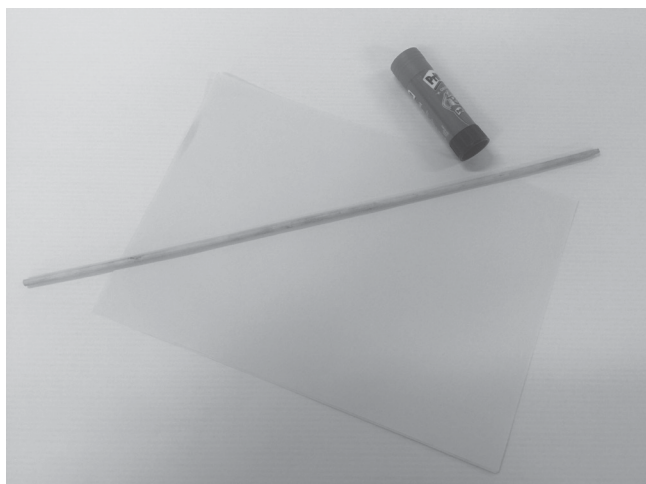
STRENGTHENING MATERIALS



RESOURCE 14

Pictures: Jon Gunning – Own Collection

STRUTS – ROLLING PAPER



RESOURCE 15

Picture: CVM Stock photo ID: 147161336

Picture: Elxeneize Stock photo ID: 213854275

Picture: Long Jon Stock photo ID: 565020511

STRUT AND FRAME STRUCTURES

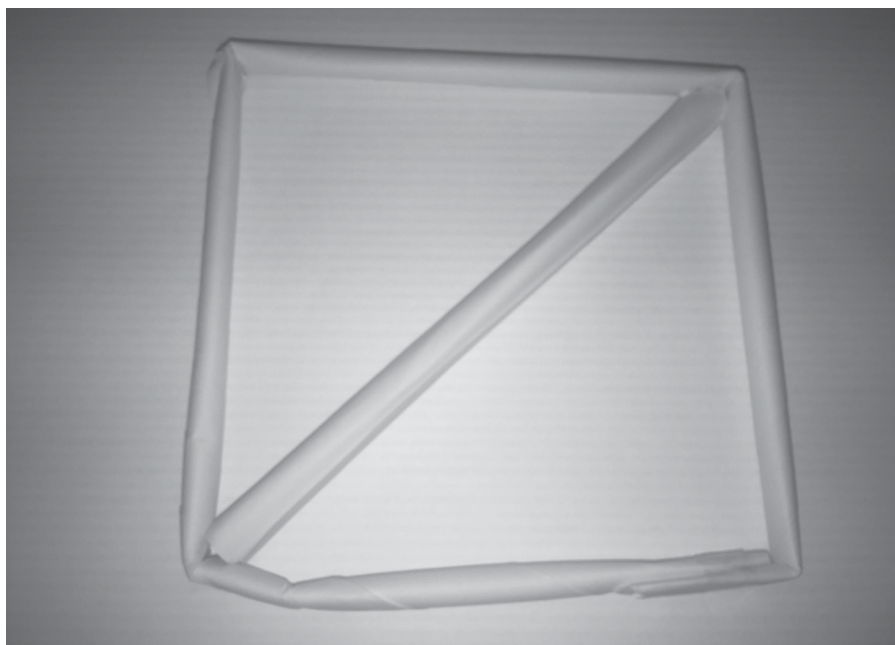


RESOURCE 16

Picture: Thanakrit Sathavornmanee Stock photo ID: 729054211

Pictures: Jon Gunning – Own Collection

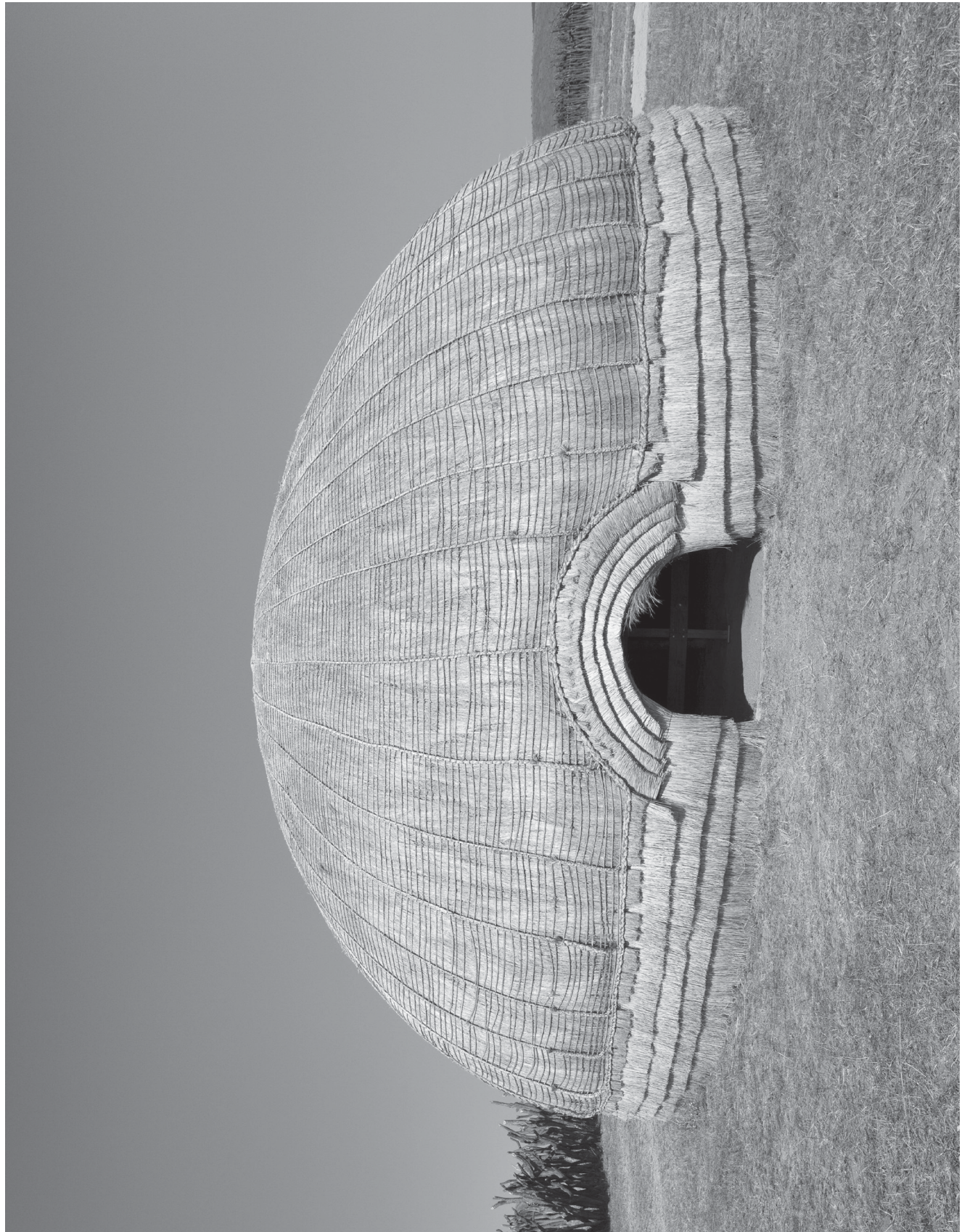
JOINING STRUTS



RESOURCE 17

Picture: Leon Marais Stock Photo ID: 208363384

INDIGENOUS STRUCTURES



RESOURCE 18

Picture: Constantine Pankin Stock photo ID: 132837191

Picture: Ann Balkin Stock photo ID: 72897397

WATER TOWERS

