Judaism's Quest for Knowledge, Discovery & Al Rabbi Hal Rudin-Luria, B'nai Jeshurun Congregation (based on sources prepared by Rabbi Elie Kaunfer, Hadar Institute)

Mishnah Peah 1:1

אֵלּוּ דְבָּרִים שָׁאֵין לָהֶם שָׁעוּר. הַפֵּאָה, וְהַבִּכּוּרִים, וְהָרֵאָיוֹן, וּגְמִילוּת חֲסָדִים, וְתַלְמוּד תּוֹרָה. אֵלּוּ דְבָרִים שֶׁאָדָם אוֹכֵל פֵּרוֹתֵיהֶן בָּעוֹלָם הַזֶּה וְהַכֶּּרֶן קַיֶּמֶת לוֹ לָעוֹלָם הַבָּא בִּבוּד אַב וַאֵם, וּגִמִילוּת חֵסַדִים, וַהַבַּאַת שַׁלוֹם בֵּין אַדַם לַחַבֵּרוּ,

וָתַלְמוּד תּוֹרָה כְּנֶגֶד כֵּלָם:

These are the things that have no definite quantity: The corners [of the field]. First-fruits; [The offerings brought] on appearing [at the Temple on the three pilgrimage festivals]. The performance of righteous deeds; And the study of the torah. The following are the things for which a man enjoys the fruits in this world while the principal remains for him in the world to come: Honoring one's father and mother; The performance of righteous deeds; And the making of peace between a person and his friend; And the **study of the torah** is equal to them all.

Rabbi Lord Jonathan Sacks, The Great Partnership: Science, Religion & the Search for Meaning

Curiosity leads to science, but it also leads to questions unanswerable by science. The search for G-d is the search for meaning. The discovery of G-d is the discovery of meaning. And that is no small thing because we are meaning-seeking animals. It is what makes us unique. To be human is to ask the question, why?

Science is the search for explanation. Religion is the search for meaning.

Martin Luther King, Jr

Science investigates, religion interprets ... Religion and science are two hemispheres of human thought.

Rabbi Lord Jonathan Sacks

Science takes things apart to see how they work. Religion puts things together to see what they mean. The difference between them is fundamental and irreducible. They represent two distinct activities of the mind. Neither is dispensible. Both, together, constitute a full expression of our humanity.

Science reveals the wisdom of G-d in creation and wisdom is itself the gift G-d gave humanity when (G-d) made us in (G-d's) image and likeness, which Rashi, the classic Jewish commentator, reads as "with the capacity to understand and discern." But there is a difference between wisdom and Torah. Wisdom tells us how the world is. Torah tells us how the world ought to be. Wisdom is about nature. Torah is about will. It is about human freedom and choice and the way we are called on to behave. Wisdom is about the world G-d makes. Torah is about the world G-d calls on us to make, honoring others as bearers of G-d's image, exercising our freedom in such a way as no to rob others of theirs... Moral laws are not scientific laws. They belong to a different world, the world of freedom, G-d's most fraught and fateful gift. The Hebrew Bible is entirely about this drama of human freedom.

Science fulfills three functions that I see central to the Abrahamic faith. It diminishes human ignorance. It increases human power. And it exemplifies the fact that we are in G-d's image. G-d wants us to know and undertand. G-d wants us to use the intellectual gifts G-d gave us.

Albert Einstein

But science can only be created by those who are thoroughly imbued with the aspiration toward truth and understanding. This source of feeling, however, springs from the sphere of religion. To this there also belongs the faith in the possibility that the regulations valid for the world of existence are rational, that is, comprehensible to reason. I cannot conceive of a genuine scientist without that profound faith. The situation may be expressed by an image: science without religion is lame, religion without science is blind.

in 'Science, Philosophy and Religion: A Symposium', Ideas and Opinions

Weekday Amidah Shemoneh Esrei Blessing #4

You grace people [Adam] with אַתַּה חונֵן לְאַדָם **דַּעַת**. וּמְלַמֶּד לֵאֱנושׁ בִּינָה: knowledge חַנֵּנוּ מֶאִתַּרְ And teach humans [Enosh] דַעָה בִּינָה ו**ְהַשּכֵּל** discernment [חָכָמָה בִּינָה וָדָעַת] Grace us from You בָּרוּךְ אַתָּה ה', חונֵן הַדָּעַת Knowledge, discernment, and intelligence [or: wisdom, discernment and knowledge - Nusah Sefard] Blessed are You, YHVH, who graces knowledge.

Grace us, our Father,
With knowledge from You
[And teach us] discernment and
wisdom from Your Torah
[Lighten our eyes to follow Your
mitzvot]
Blessed are You, YHVH
Who graces knowledge
- Eretz Yisrael version of blessing

חנינו אבינו **דיעה** מאתך [ולמדינו] **בינה והשכל** מתורתך [האירה עינינו לשמור מצותיך] ברוך אתה הי חונן **הדעת**

Bakashot- Requests in Weedkay Amidah

- 1. Knowledge/Understanding/Insight
- 2. Repentance
- 3. Forgiveness
- 4. Redemption
- 5. Healing
- 6. Sustenance
- 7. Return of Exiles
- 8. Justice
- 9. Against Heretics/Enemies
- 10. Righteous
- 11.Jerusalem
- 12. Messiah
- 13. Accept our prayers

Rabbi Jonathan Sack's Koren Siddur

This is the first of the "request" blessings. King Solomon, when asked by G-d to name the thing he most desired (1 Kings 3:5-15) asked for wisdom; so do we. Knowledge is prior to emotion, because "the heart is deceitful above all things." (Jer. 17:9). Untutored emotion can be misdirected, even destructive. This paragraph replicates the structure of the Amida as a whole. It begins with praise, "You grace humanity with knowledge", proceeds to request "Grace us with the knowledge" and ends with thanks "who graciously grants knowledge."

The next blessing is repentance. Knowledge and understanding allow us to see where we have drifted from the right path of life...

Or Hadash Prayerbook Commentary

By placing intelligence and understanding at the beginning of our petitions, this blessing emphasizes their importance. The ability to learn and to understand is a great gift from G-d upon which all else is based.

Elliot Dorff, My People's Prayerbook

All other blessings we might offer and indeed all requests that we might voice depend on our ability to know ourselves and G-d's world in the first place.

There are three kinds of knowing:

"Knowledge" (de'ah) is factual information.

"Discernment" denotes the ability to analyze things and to distinguish between them as the root b.y.n. means "between."

"Wisdom" (referred to here by the verb haskel like the yiddish Sekhel) means experiential knowledge.

Rabbi Lord Jonathan Sacks, Future Tense: Jews, Judaism and Israel in the 21st Century

There are two ways of knowing. One is called Chochma "wisdom" and the other is Torah "teaching, law or guidance."... Wisdom is universal; (Torah is particular). Wisdom is the product of observation, experience and insight. Chochmah is the truth we discover; Torah is the truth we inherit. Chochmah is the universal heritage of humankind; Torah is the specific heritage of Israel. Chochmah is what we attain by being in the image of G-d; Torah is what guides Jews as the people of G-d. Chochmah is acquired by seeing and reasoning; Torah is received by listening and responding. Chochmah tells us what is; Torah tells us what out to be. Chochmah is about facts; Torah is about commands. Chochmah yields descriptive, scientific laws; Torah yields prescriptive behavioral laws. Chochmah is about creation; Torah is about revelation.

Chochmah is the gift of G-d. It is available to everyone. Chochmah is what allows us to understand the world as G-d's work through science and humanities. The sages had harsh words for those able to study science who failed to do so. The neglect of science is tantamount to a religious failure to appreciate the greatness of the creator through creation. Maimonides ruled that study of natural science is the way to love and fear G-d; love by understanding the vastness and wisdom of creation, fear through the contemplation of the smallness of humankind in the grand scheme.

To redeem the world, you have to understand the world. Torah and Chochmah must be reunited if Judaism is to recover its ability to speak to the world. We cannot apply Torah to the world unless we understand the world.

Genesis 2 - 3

G-d formed the Human from the dust of the earth blowing into his nostrils the breath of life: the Human became a living being. G-d planted a garden in Eden, in the east, and placed there the Human who had been fashioned. And from the ground G-d caused to grow every tree that was pleasing to the sight and good for food, with the tree of life in the middle of the garden, and the tree of knowledge of good and bad... And G-d YHVH commanded the Human, saying, "Of every tree of the garden you are free to eat; but as for the tree of knowledge of good and bad, you must not eat of it; for as soon as you eat of it, you shall die." ...but G-d knows that as soon as you eat of it your eyes will be opened and you will be like divine beings who know good and bad." Then the eyes of both of them were opened and they perceived that they were naked; and they sewed together fig leaves and made themselves loincloths.... And Gd YHVH said, "Now that humankind has become like any of us, knowing good and bad, what if one should stretch out a hand and take also from the tree of life and eat, and live forever!"

בראשית פרק ב - פרק ג

- (ז) ויִּיצֶר יְקֹנָק אֱלק๊ים **אֶת־הֶאָדָּם** עָפָּר מִן־ הָאֲדָמָׂה וִיִּפָּח בְּאַפֶּיו נִשְׁמַת חַיֵּים וַיְהָי הָאָדָ**ם** לְנֵפֵשׁ חַיָּה:
- (ח) וַיִּטַּׁע יְקֹוָק אֱלֹקֵים גַּן־בְּעֵדֶן מִקֶּדֶם וַיִּשֶׂם שָׁם אָת־הָאָדָם אֲשֵׁר יָצֵר: שָׁם **אַת־הָאָדָם** אֲשֵׁר יָצֵר:
- (ט) וַיַּצְמֵּח יְקֹוֶק אֱלֹקִים ׁ מִן־הָאֲדָמָּה כָּל־עֵּץ נָחְמָד לְמַרְאֶה וְטָוֹב לְמַאֲכֵל וְעֵץ הַחַיִּים בִּתְוֹךְ הַגָּן וְעֵّץ **הַדַּעַת טָוֹב וְרֵע**:...
- ָ(טז) וַיְצַוֹ יִלְּוֶק אֱלֹלְים עַל־הֶאָדֶם לֵאמֹר מִכָּל עֵץ־הַגָּן אָכָל תּאכֵל:
- (יז) וּמֵעֵּץ הַדַּעַת ׁ טְוֹב וָרֶע לְאׁ תּאַכַל מִמֶּנּוּ כִּי בֵּיוֹם אֵכָלְךָּ מִמֶּנּוּ מִוֹת תָּמִוּת:...
 - (ה) בְּי יֹדֵע אֱלֹהִים כִּּי בְּיוֹם אֲכָלְכֶם מִפֶּנוּ וְנִפְקְחָוּ עֵינִיכֶם וִהְיִיתֶם בֵּאלֹלְיִם **יֹדְעֵי טִוֹב** וַבְּעִ:...
- (ז) וַתּפָּקֹחְנָהֹ עֵינֵי שְׁנֵיהֶם **וַיִּדְעוּ** כֵּי עֵירֻמָּם הֶם וַיִּתְפְּרוּ עֲלֵה תְאֵנֶּה וַיַּעֲשָׂוּ לְהֶם חֵגֹרִת:...
 - (כב) וַיּאֹמֶרוֹ יְלְּוֶק אֱלֹלְים הֵן הֶאָדָם ׁ הָיָהֹ כְּאַחַד מִמֶּנוּ **לָדֻעַת טְוֹב וַרֵע** וְעַתָּהוֹ פֶּן־ יִשְׁלֵח יָדֹוֹ וְלָקַחֹ גָּם מֵעֵץ הְחַיִּים וְאָכַל וְחַי לְעֹלֶם:

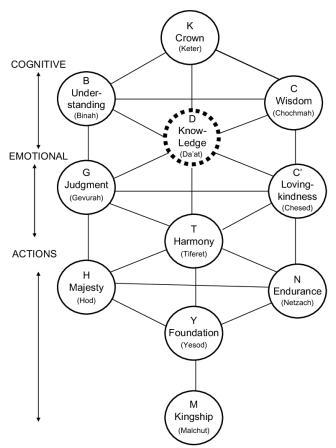
As it is taught (in a Baraita): The tree that Adam the First ate from [what was it?]...R. Yehuda said: It was wheat, for a baby doesn't **know** how to call "Abba" and "Imma" until it tastes the taste of wheat.

תלמוד בבלי מסכת ברכות דף מ עמוד א דתניא אילן שאכל ממנו אדם הראשון ...רבי יהודה אומר: חטה היתה, שאין התינוק **יודע** לקרות אבא ואמא עד שיטעום טעם דגן.

- B Berakhot 40a and Sanhedrin 70b

To believe in G-d means to understand the question about the meaning of life. To believe in God means to see that the facts of the world are not the end of the matter. To believe in G-d means to see that life has a meaning.

Ludwig Wittgenstein



Note: A system of interconnected fundamental attributes describing creation and the cognitive, emotional and action levels of any created system

Adam knew his wife again, and she gave birth to a son, and she called his name Shet, because G-d has provided me (shat) another offspring instead of Hevel, whom Kayin killed.

And Shet also had a child, and he called his name **Enosh**; It was then that people began to invoke YHVH by name.

- Genesis 4:25-26

בראשית פרק ד (כה) וַיַּדַע אָדֶם עוֹד אֶת־אִשְׁתִּוֹ וַתַּלֶד בַּן וַתִּקְרָא אֶת־שְׁמִוֹ שֵׁת כִּי שֶׁת־לֵי אֶלֹהִים ֹ זֶרַע אַחֵׁר תַּחַת הֶּבֶל כִּי הְרָגִּוֹ קיו:

(כו) וּלְשֵׁת גַּם־הוּא ֹיֻלַּד־בֵּן וַיִּקְרָא אֶת־ שְׁמִוֹ **אֶנְוֹשׁ**

ָאָז הוּחַׁל לִקְרָא בְּשֵׁם יְקֹוֶק:

Rebbe said: I am surprised! How did they cancel "who graces with knowledge" on Shabbat! If there is no knowledge, whence prayer/Amidah?

- Yerushalmi Berakhot 4:4; 8b

תלמוד ירושלמי (ונציה) מסכת ברכות פרק ד דף ח טור ב /ה"ד דרבי אמר תמיה אני היאך בטלו חונן הדעת בשבת אם אין דיעה מניין תפילה

"Then they began (huhal)" (Gen 4:26) – the language of hullin – profane. To call the names of people and the names of nature by the name of the Holy Blessed One, in order to do idolatry and to call them by divinity.

- Rashi to Gen 4:26

רש"י בראשית פרק ד פסוק כו (כו) אז הוחל - (לשון חולין) לקרא את שמות האדם ואת שמות העצבים בשמו של הקדוש ברוך הוא לעשותן עבודה זרה ולקרותן אלהות

Four things happened in the generation of Enosh...and they became vulnerable to demons. They were responsible themselves for becoming vulnerable to demons, for they argued: What is the difference whether one worships an image or worships man? Hence it is written: "Then man became degraded (huhal) to call upon the name of YHVH" (Gen 4:26).

- Genesis Rabbah 24:6, p. 235

בראשית רבה (תיאודור-אלבק)
פרשת בראשית פרשה כד ד"ה [זה
ספר תולדות
ארבעה דברים נשתנו בימי אנוש
...ונעשו חולין למזיקים
אמר ר' יצחק הן הן שגרמו לעצמן
ליעשות חולין למזיקין מה בין דגחין
לצלמה לדגחין לבר נש אז הוחל
לקרא בשם י"י (בראשית ד כו)].

See I have called by name Bezalel son of Uri son of Hur of the tribe of Judah. I have endowed him with a divine spirit of wisdom, discernment, and knowledge in every kind of craft to make designs for work in gold, silver, and copper...

- Exodus 31:2-4

And Moses said to the Israelites: See, YHVH has called by name Bezalel, son of Uri son of Hur, of the tribe of Judah. [God] has endowed him with a divine spirit of wisdom, discernment, and knowledge in every kind of craft.

- Exodus 35:30-31

שמות פרק לא

- (ב) רְאֵה קָרֶאתִי בְשֵׁם בְּצַלְאֵל בֶּן־אוּרֵי בֶּן־ חָוּר לְמַטֵּה יָהוּדָה:
 - (ג) וָאֲמַלֵּא אֹתָוֹ רָוּחַ אֱלֹקִים **בְּחָכְמֵּה** וּ**בִּתְבּוּנֵה וּבְדַעַת** וּבְכָל־מְלָאכֶה:

שמות פרק לה

- (ל) וְיּאמֶר מֹשֶׁהֹ אֶל־בְּנֵי יִשְׂרָאֵל רְאָוּ קְּרָא יְלְּוֻק בְּשֵׁם בְּצַלְאֵל בָּן־אוּרֵי בֶן־חָוּר לְמַשֵּׁה יהוּדה:
 - (לא) וַיְמַלֵּא אֹתָוֹ רְוּחַ אֱלֹהֵים **בְּחָכְמֵּה** בָּתָבוּנֵה וּבָדָעַת וּבְכָל־מִלְאכֵה:

The blessed G-d, who is great in knowledge/ Prepared and worked on the rays of the sun - Daily Shaharit	אֵ-ל בָּרוּךְ גְּדוֹל דֵּעָה , הֵכִין וּפָעַל זָהֶרֵי חַמָּה,
Knowledge and understanding surround HimGood are the lights that our G-d created. [G-d] fashioned them with knowledge, understanding and discernment Shabbat Shaharit	דְּעַת וּתְבוּנָה סֹבְבִים אוֹתוֹ טוֹבִים מְאוֹרוֹת שֶׁבָּרָא אֱלֹהֵינוּ, יְצָרָם בְּדְעַת בְּבִינָה וּבְהַשְּׁכֵּל,
Blessed are You, YHVH, our G-d, king of the universe, who by His word brings on evenings, with wisdom opens the gates, and with understanding changes the seasonsand separates between day and between night Arvit Blessing 1	בָּרוּךְ אַתָּה יְיָ, אֶלֹקֵינוּ מֶלֶךְ הָעוֹלָם, אֲשֶׁר בִּדְבָרוֹ מַעֲרִיב עֲרָבִים, בְּחָכְמָה פּוֹתֶחַ שְׁעָרִים, וּ בִּתְבוּנָה מְשַׁנֶּה עִתִּים, וּמַבְדִּיל בֵּין יוֹם וּ בֵין לֵיְלָה

1. "Wisdom" (חכמה) is what a person hears from others and learns (makes his own).

"Discernment" (תבונה) is understanding a matter by one's own intelligence deducing it from the things one has already learned.

"Knowledge" (דעת) means holy inspiration.

Rashi to Ex 31:3

- 2. Wisdom (חכמה) from learning Discernment (תבונה) from one's self Knowledge (דעת) who learns something from another thing Lekah Tov, Exodus 35:31, p. 107b
 - 3. **Wisdom** (חכמה) refers to what one learns from a teacher

Discernment (תבונה) – What a person arrives at on one's own without a teacher

Knowledge (דעת) – refers to what a person discovers through research and investigation

Saadia Gaon, in Torah Sheleimah, vol23, p. 32, n.121

רש"י שמות פרק לא פסוק ג (ג) בחכמה - מה שאדם שומע מאחרים ולמד: ובתבונה - מבין דבר מלבו, מתוך דברים שלמד:

ובדעת - רוח הקדש:

פסיקתא זוטרתא (לקח טוב) שמות פרשת ויקהל פרק לה סימן לא לא) וימלא אותו רוח אלהים בחכמה ובתבונה ובדעת. גדולה חכמה שבחר בה הקדוש ברוך הוא, החכמה מלימוד, התבונה מעצמו, הדעת הלומד דבר מדבר:

סעדיה גאון חכמה – נופלת על מה שהאדם לומד מרבו, ותבונה תורה על פי על מה שהאדם מגיע אליו בעצמו בלי מורה, ובדעת – נופלת על מה שהאדם ימצא על

ובדעת – נופלת על מה שהאדם ימצא על ידי חקירה ודרישה

- 12 Moses said to YHVH, "See, You say to me, 'Lead this people forward,' but You have not **made known** to me whom You will send with me. Further, You have said, 'I **know you** out by name, and you have, indeed, gained My **grace**.'
- 13 Now, if I have truly found grace in Your eyes, pray let me know Your ways, that I may know You and continue in Your grace. Consider, too, that this nation is Your people."...
 16 For how shall it be known that Your people have gained Your grace unless You go with us, so that we may be distinguished, Your people and I, from every people on the face of the earth?"
- 17 And YHVH said to Moses, "I will also do this thing that you have asked; for you have truly found **grace** in My eyes and I **know** you out by name."

 18 [Moshe] said, "Oh, let me behold Your Presence!"
- 19 And [G-d] answered, "I will make all My goodness pass before you, and I will proclaim before you the name YHVH, but I shall grant **grace** to whom I grant **grace**, and have compassion for whom I have compassion.
- Ex. 33:12-13;16-19

- שמות פרק לג
- (יב) וּ ֹּאמֶר מּשָׁה אֶל־יִּקֹּוָק רְאֵה אַתָּה אֹמֶר אֵלֵי הַעַל אֶת־הָעָם הַּלֶּה וְאַתָּה לָא **הְוֹדִּעְתִּנִּ** אֵת אֲשֶׁר־תִּשְׁלָח עִמֵּי וְאַתָּה אָמַרְתָּ יִ**דִּעְתִּיךְ** בִשֶּׁם וְגַם־מָצֵאתָ **חָן** בְּעֵינֵי:
 - (יג) וְעַתָּׁה אִם־נָא מָצָּאתִי חֵׁן בְּעֵינָיךְ הוֹדעֵנִי נָא אֶת־דְּרָכֶּךְ וְאֵדָעְךְּ לְמַעַן אֶמְצָא־ חַון בִּעִינֵיךְ וּרָאֶה כֵּי עַמִּךְּ הַגּוֹי הַזֵּה:...
- (טז) וּבַמֶּהוּ יִּנָּדָע אֵפֿוֹא כְּי־מָצָּאתִי **חֵן** בְּעִינֶיךָ אֲנִי וְעַמֶּרָ הַלָּוֹא בְּלֶכְתְּךָּ עִמֶּנוּ וְנִפְלִּינוּ אֲנִי וְעַמְּךָּ מִכָּל־הָעָם אֲשֶׁר עַל־פְּנֵי הָאֲדָמֶה: פ
- (יז) וִיּאמֶר יִקֹּוָקֹ אֶל־מֹשֶׁה גַּם אֶת־הַדָּבֶּר הַדֶּה אֲשֶׁר דִּבַּרְתָּ אֶעֱשֶׂה כִּי־מָצֶאתָ **חַן** בְּעִינִי וָאָדָעַרָּ בְּשֵׁם:
 - (יח) וַיּאֹמֵר הַרְאֵנִי נָא אֶת־כְּבֹדֶךְ:
- (יט) וַיּאֹמֶר אֲנָי אַעֲבֶיר כָּל־טוּבִי[ּ] עַל־פָּנֶּיךְ וְקָרֶאתִי בְשֵׁם יְקֹוֶק לְפָנֶיךְ וְחַנֹּתִי אֶת־אֲשֶׁר אָחוֹ וְרָחַמִתָּי אֶת־אֲשֵׁר אַרַחֵם:

Cause us to discern, YHVH our G-d, to	תלמוד בבלי מסכת ברכות דף כט עמוד א
know Your ways.	הביננו ה' אלקינו לדעת דרכיך
- B Berakhot 29a	

G-d heard their cried, and G-d remembered His covenant with Avraham, Yitzhak and Yaakov. G-d saw the children of Israel and **G-d knew**.

- Exodus 2:24-25

שמות פרק ב

(כד) וַיִּשְׁמֵּע אֱלֹקֵים אֶת־נַאֲקָתֶם וַיִּזְּכָּׁר אֱלֹהקיםם אֶת־בְּרִיתוֹ אֶת־אַבְרָהָם אֶת־ יִצְחֵק וָאֵת־יַעֲלָב:

(כה) וַיִּרְא אֱלֹקִים אֶת־בְּנֵי יִשְׂרָאֵל **וַיֻּדַע אֱלֹהִים**:

Do not oppress the stranger. **You know the stranger** for you were strangers in the land of Egypt.

- Exodus 23:9

שמות פרק כג

(ט) וְגַר לָּא תִלְחָץ **וְאַתָּם יְדַעְתָּם אֶת־נֶנֶפֶּשׁ הַגֵּׁר** בִּי־גֵרִים הַיִיתִם בָּאֵרֵץ מִצְרֵיִם:

Talmud Bayli Shabbat 75a

Rabbi Shimon ben Pazi said that Rabbi Yehoshua ben Levi said in the name of bar Kappara: Anyone who knows how to calculate astronomical seasons and the movement of constellations and does not do so, the verse says about him: "They do not take notice of the work of God, and they do not see His handiwork" (Isaiah 5:12). And Rabbi Shmuel bar Naḥmani said that Rabbi Yoḥanan said: From where is it derived that there is a mitzva incumbent upon a person to calculate astronomical seasons and the movement of constellations? As it was stated: "And you shall guard and perform, for it is your wisdom and understanding in the eyes of the nations" (Deuteronomy 4:6). What wisdom and understanding is there in the Torah that is in the eyes of the nations, i.e., appreciated and recognized by all? You must say: This is the calculation of experts is witnessed by all.